





BULLETIN
OF THE
AMERICAN IRIS SOCIETY

JANUARY, 1942

No. 84

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THE AMERICAN IRIS SOCIETY

OFFICERS, 1942

Directors:

Term expiring 1942:	F. W. Cassebeer	Dr. H. H. Everett
	Prof. E. O. Essig	Dr. R. J. Graves
Term expiring 1943:	W. J. McKee	J. P. Fishburn
	David F. Hall	E. G. Lapham
Term expiring 1944:	Dr. Franklin Cook	Howard R. Watkins
	Carl S. Milliken	Jesse E. Wills

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Vice-President—Mr. D. F. Hall, 809 Central Ave., Wilmette, Ill.

Secretary—Mr. Howard R. Watkins, 821 Washington Loan and Trust Bldg., Washington, D. C.

Treasurer—Mr. J. P. Fishburn, Box 2531, Roanoke, Va.

Editor—F. W. Cassebeer, 953 Madison Avenue, New York, N. Y.

Assistant to Editor—Miss Marcia Cowan.

Regional Vice-Presidents—

1. Dr. J. R. Harrison, Tufts College, Medford, Mass.
2. Kenneth D. Smith, Benedict Road, Dongan Hills, Staten Island, N. Y.
3. John Dolman, Jr., 304 Vassar Ave., Swarthmore, Pa.
4. J. Marion Shull, 207 Raymond St., Chevy Chase, Md.
5. Mr. T. N. Webb, Durham, N. C.
6. Mrs. Silas B. Waters, 2005 Edgecliff Point, Cincinnati, Ohio.
7. Mr. Geddes Douglas, 440 Chestnut Street, Nashville, Tenn.
8. Mrs. W. F. Roecker, 3319 North 14th St., Milwaukee, Wis.
9. Dr. Franklin Cook, 636 Church St., Evanston, Ill.
10. Frank E. Chowning, 2110 Country Club Lane, Little Rock, Ark.
11. Mrs. Mary F. Tharp, Payette, Idaho.
- 12.
13. Dr. R. E. Kleinsorge, Silverton, Ore.
14. Mrs. G. G. Pollock, 1341 45th St., Sacramento, Calif.
15. Mrs. Lena M. Lothrop, 3205 Poplar Blvd., Alhambra, Calif.
16. W. E. Saunders, London, Ontario, Canada.

Chairmen of Committees:

Scientific—Dr. A. E. Waller, 210 Stanbery Ave., Bexley, Columbus, Ohio.

Election—Dr. C. Stuart Gager, Brooklyn Botanic Garden, Brooklyn, N. Y.

Membership and Publicity—Mr. W. J. McKee, 45 Kenwood Avenue, Worcester, Mass.

Registration—C. E. F. Gersdorff, 1825 No. Capitol St., Washington, D. C.

Exhibition—Mrs. Ralph E. Ricker, 1516 Ross St., Sioux City, Iowa.

Recorder of Introductions and Bibliography—Mrs. W. H. Peckham, The Lodge, Skylands Farm, Sloatsburg, N. Y.

Awards—Mr. J. E. Wills, Belle Meade Blvd., Nashville, Tenn.

Japanese Iris—Dr. George M. Reed, Brooklyn Botanic Garden, Brooklyn, N. Y.

IRIS CHECK LIST, 1939—Lists 19,000 names of iris and parentages; over 500 pages. Price \$3.00 to members; \$4.00 to non-members.

LANTERN SLIDES—Rental Fee (to members) \$5.00. Apply to Mrs. P. E. Corey, 7 Cliff Street, Winchester, Mass.

THE EDITOR'S BULLETIN BOARD

■ WAR CONDITIONS with attendant anxieties and added duties for everyone, including your Editor and contributors, have conspired to delay this BULLETIN far beyond its scheduled date. In spite of its lateness, we trust that our readers will still find it to be informative and interesting.

As usual, this first number of the year contains the report of your President, the financial statement by the Treasurer, and the reports of the regional vice-presidents on the iris activities in their respective sections during the year 1941. With her customary thoroughness, Mrs. Ralph E. Ricker has compiled a report on a very long list of iris shows held throughout the country which speaks well for the growing interest in our favorite flower during the past year.

Several prominent Midwest breeders detail the progress they are making in their hybridizing endeavors as recorded in their notes appearing in this issue. And Mrs. Pollock gives us a word-portrait of one of our best-known hybridizers, Prof. S. B. Mitchell. Mr. Claar has given considerable thought to the whole problem of rating flowers, and his opinions on the matter as set forth in his article should be of interest to iris growers.

While we heartily approve of Pres. McKee's decision to postpone the scheduled annual meetings of the Society for the duration of the war, we do not agree with those who hold that the raising of flowers has no place in the present scheme of things. In so far as the time devoted to this purpose does not in any way interfere with the national war effort, we cannot but feel that gardening of all kinds is a distinct boon to our people in the present emergency. During periods of stress men turn to the soil for strength, inspiration, and readjustment of their perspective. What better form of complete recreation and relaxation can be devised than the growing of flowers and vegetables? To carry on in these times, your Society needs the continued support of your membership and the contribution of articles for the BULLETIN.

F. W. CASSEBEER, *Editor*

ANNUAL MEETINGS POSTPONED

■ YOUR PRESIDENT, after considerable discussion with all of the directors, has decided to postpone indefinitely the meetings of the Society scheduled for New England in 1942 and Iowa in 1943. This decision will, no doubt, come as a shock to the membership of the Society, many of whom, quite logically, feel that the horticultural societies should continue unabated their enthusiastic work during such critical times as these. However, the controlling factors in our decision have been the tire situation and other limitations which will be imposed due to the emergency. The meetings scheduled for 1942 and 1943 would both involve fairly lengthy automobile trips covering several days' time, and the shortage of tires and other restrictions undoubtedly would drastically reduce the attendance. We felt that in June the situation might be even more acute than now, and that if we attempted to go ahead with the meeting, we would receive criticism not only from our own membership but from the public generally, because naturally such formally scheduled meetings would be publicized.

Except for our decision to limit travel and to handle the affairs of the Society as economically as possible in other ways, your officers and directors intend to continue the work of the Society with all of the energy and enthusiasm possible, feeling strongly that continued stimulation of interest in gardens in general, and in our own flower in particular, is a constructive and wholesome course in war time. Consequently, we feel that informal visiting to the many gardens over the country should be encouraged and that there should be informal regional meetings wherever these do not involve excessive travel. There is not time this year to schedule and announce a series of informal regional meetings under the direction of the regional vice-presidents. It is hoped, however, that these officers will attempt to stimulate more than ever this and other types of regional activities. We also plan in 1943 to schedule a large number of informal regional meetings in key centers.

The publications and other activities of the Society will be limited only by the status of the membership list; so there is a real obligation on the part of those who want to see the activities of the Society continued normally to renew their own memberships and to try, wherever possible, to secure new members to replace those

we seem certain to lose. Your officers and directors are ready to push ahead energetically to make the American Iris Society better than ever, but we cannot carry out our plans to the fullest extent unless each member assumes some responsibility for holding¹ and increasing our membership rolls.

WILLIAM J. MCKEE

NEW MEDALS AWARDED

DIRECTORS VOTE RECOGNITION TO EIGHT AT DECEMBER MEETING—ALL OFFICERS RE-ELECTED

■ ONE OF the principal actions of the board of directors at their December meeting was the awarding of three of the newly created medals for "Distinguished Service to the Society" and five of the new medals for "Achievement in Hybridizing." Those who were honored for their past efforts in behalf of the Society are:

Harry H. Everett
Ben. Y. Morrison
Robert S. Sturtevant

The following received recognition for their accomplishments in iris hybridizing:

Wylie McL. Ayres
Sydney B. Mitchell
Jesse C. Nicholls
Hans P. Sass
Jacob Sass

These medals, which are illustrated elsewhere in this BULLETIN, were designed and sculptured by the eminent artist, Rene Chambellan, and were cast in bronze by the Medallic Art Co. The design for the new Award of Merit Certificates, also pictured in this number, was taken from the reverse side of the hybridizing medal. The certificates are 9½ x 12 inches in size and were executed in gravure by Ames & Rollinson. The directors decided that the first recipients of these new certificates will be the winners of the 1942 Awards of Merit.

At the meeting there were also minor changes made in the 1942 Policy of Awards, and a new system of choosing the Dykes Medal iris for 1943 was decided upon. Full details of these changes and proposals will be printed in the next BULLETIN. All the officers of the Society were re-elected for 1942.



New A. I. S. Medal for distinguished service to the Society. Picture shows actual size of medal.

SERVICE MEDAL RECIPIENTS ARE MEN OF MANY ACCOMPLISHMENTS

■ THE OLDER members of the Society are fully cognizant of the work and devotion of the three men who have recently been honored by the first awards of the new medals for "Distinguished Service to the Society." Yet, for the benefit of younger iris enthusiasts, it is fitting to list a few of the talents and services rendered to American Iris Society by Dr. Harry H. Everett, Ben. Y. Morrison, and Robert S. Sturtevant.

Harry H. Everett

Served as president of the Society for five years, beginning in 1934, and contributed in a large measure to success and unity of the Society during this period of growth and progress. Started his interest in iris by buying some rhizomes from Sass back in 1920 and is still at it. He has an especially fine collection of iris in a garden with a beautiful setting. Organized the garden club of Lincoln, Neb., and has done much for horticulture in his home state. Dr. Everett stems from a family of doctors and is carrying on its best traditions in surgery. At present he is chief surgeon at the Lincoln General Hospital.

Ben. Y. Morrison

Eminent horticulturist with a fine record of accomplishments in this his chosen profession. Editor of the A.I.S. BULLETIN for five years (1935-40) and Secretary of the Society (1934-37). Achieved considerable success in iris hybridizing, and the best known of his introductions are PICADOR, HENCHMAN, BRANGAENE, STARSONG, and ROSE ASH. Now deeply interested in daffodils. Editor of the *National Horticultural Magazine* since 1926 and is well known for his articles on a wide variety of horticultural subjects. Has been with the U. S. Dep't. of Agriculture since 1920 and for the past eight years has been in charge of the division of plant exploration and introduction. Recently made a trip to Peru at the request of that country to act as a liaison man between it and the U.S.A. in the interests of agriculture. Not long ago the Royal Horticultural Society honored Mr. Morrison with its Veitch Memorial Medal in recognition of his most valuable work in horticulture both here and abroad.

Robert S. Sturtevant

A leading spirit in the American Iris Society since its inception in 1920. Editor of the first 54 BULLETINS until his well-deserved retirement in 1935. The greatest press agent the iris ever had or probably ever will have, he has promoted the interests of his favorite flower with innumerable articles, pamphlets, and lectures. A true artist at heart, Mr. Sturtevant has achieved an enviable reputation as a landscape architect. He has taught landscape architecture in several colleges and was at one time director of the Lowthorpe School. Now spends his winters at Nashville, Tenn., and summers in Massachusetts.

REPORT OF THE PRESIDENT, 1941

WILLIAM J. MCKEE

I AM pleased to report that the year 1941 was a successful one. Interest of the members in Society affairs increased. Our membership at the end of the year was approximately the same as it was at the end of the previous year, notwithstanding the loss of many of our members who reside in foreign lands.

You will note from the treasurer's report that the Society is in sound financial condition. Due to abnormal conditions, our expenses increased somewhat during the year, and it is estimated there will be a further increase in the year 1942. In order to carry on the work of the Society and to eliminate a deficit at the end of next year, I hope our members will not only continue to give their usual financial support, but will also make a special effort to increase our revenue by obtaining new members.

Reports of the Annual Meeting held in Nashville have been fully covered in previous BULLETINS. I wish, however, to add a word to state that the Nashville meeting was a banner one and has set a high standard to be measured up to by those who are planning future meetings.

One of the most important objectives of any specialty society should be encouragement of the hybridizers' efforts to improve the species of plants in which the members are interested. Over a period of years The American Iris Society, through a well-planned award system, has, I believe, given suitable awards to outstanding

varieties. These awards have met with the approval of our membership, and the Society has also given recognition to the hybridizers who produced them. During the past year, the directors have given special recognition to five of our hybridizers by awarding The American Iris Society medal for outstanding achievement in hybridizing. The awards were given to Dr. Ayres, Prof. Mitchell, Col. Nicholls, and Messrs. Hans and Jacob Sass. These awards for hybridizing are forerunners of awards that will be given to outstanding hybridizers in the future.

I wish to bring to your special attention again the American Iris Society new *Check List* which was published and distributed during the year 1941. Members who have obtained a copy of this valuable book on iris have been most generous with favorable comments, but as orders have been received only from approximately 50 per cent of our members, may I remind those who have not availed themselves of the opportunity of securing a copy of this book, that they have a pleasant surprise awaiting them. Mr. Watkins, our secretary, has a supply on hand for immediate distribution.

In reviewing the past year's achievements of the Society, the summary would not be complete without paying tribute to the splendid cooperation of the directors, officers, regional vice-presidents, committee members, accredited judges, and members who have all donated their services so generously for the advancement of the Society.

REPORT OF THE TREASURER

JUNIUS P. FISHBURN

AMERICAN IRIS SOCIETY

Statement of Cash Receipts and Disbursements

For the Year Ended November 30, 1941

SUMMARY

	<i>Operating Fund</i>	<i>Life Fund</i>	<i>Total</i>
Balances, December 1, 1940....	\$ 996.30	\$ 910.58	\$1,906.88
Add: Receipts—from below....	3,890.67	314.79	4,205.46
Total	\$4,886.97	\$1,225.37	\$6,112.34
Deduct: Disbursements—			
from below	3,540.37		3,540.37
Balances, November 30, 1941..	\$1,346.60	\$1,225.37	\$2,571.97

DETAILS

Operating Fund:

Receipts:

Annual memberships	\$2,838.00
Triannual memberships	170.00
Sustaining memberships	20.00
Life memberships	50.00

Sub-total	\$3,078.00
Overpayments refunded	1.75
Collected for memberships in English Iris Society	51.30
Advertising—Commercial Directory	88.50
Sale of back BULLETINS	68.00
Sale of English Iris Society bulletins	7.00
Sales of "Dykes on Irises"	22.60
Refund of postage	.35

Total ordinary receipts	3,317.50
Sale of Check Lists	573.17

Total receipts—Operating Fund	\$3,890.67
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Disbursements :

Publishing BULLETIN :

Editorial services	\$400.00
Stenographic help	100.00
Printing, mailing, etc.	1,561.72
Rent	180.00
Stenographic services	600.00
Office supplies, postage and expense	213.49
Committee expenses :	
Awards Committee	111.40
Exhibition Committee	13.18
Registration Committee	40.00
Slide Committee	50.00
Traveling—Secretary	61.20
Medals	185.49
Exchange on Canadian check	.75

Total ordinary disbursements	3,517.23
Check Lists—Copyright	2.00
Check Lists—Freight and storage	21.14

Total disbursements—Operating Fund \$3,540 37

Life Fund :

Receipts :

Interest on bonds	\$ 296.50	
Interest on savings account	18.29	
Total receipts—Life Fund		\$ 314.79

NOTE: The Operating and Life Funds are administered through checking and savings accounts, respectively, both with the First National Exchange Bank, Roanoke, Virginia.

INVESTMENTS—LIFE FUND AT NOVEMBER 30, 1941

<i>Description</i>	<i>Face Value</i>
The Cleveland Union Terminals Company :	
First mortgage sinking fund gold bond, 5½% series A, due April 1, 1972	\$1,000.00
Home Owner's Loan Corporation :	
3% series A bonds, due May 1, 1952/44	1,950.00
Northern Pacific Railway Company :	
Refunding and improvement mortgage bond, 6%, due July 1, 2047	500.00

Paramount Broadway Corporation (Paramount
Building) :

First mortgage sinking fund loan certificate, 4%, due February 15, 1955.....	1,000.00
U. S. A. 2¾% Treasury bonds due June 15, 1954/51....	2,000.00
U. S. A. 3⅛% Treasury bonds due June 15, 1949/46....	1,500.00
U. S. A. 3¼% Treasury bonds due April 15, 1946/44....	650.00
Total	\$8,600.00

NOTE: The above securities were in safekeeping at the First National Exchange Bank, Roanoke, Virginia, at the time of our examination. All interest receivable to November 30, 1941, had been collected.

REPORTS OF REGIONAL VICE-PRESIDENTS

REGION 1

Maine, New Hampshire, Vermont, Massachusetts, Connecticut,
Rhode Island

PROF. J. R. HARRISON, *Medford, Mass.*

■ THIS REGION has just completed its first season without its late and lamented leader, Mrs. Herman E. Lewis. An executive committee consisting of Mrs. Corey, Mrs. Lowry, Messrs. Gage, Bent, Burnham, Knowlton, and the writer is now attempting to regulate the affairs of this section.

Monthly meetings have been held during the fall, winter, and early spring at Horticultural Hall, Boston, through the courtesy of the Massachusetts Horticultural Society. The meetings have been devoted to round-table discussions of pre-selected topics, talks by prominent judges and officers of the Society, and displays of colored slides or motion pictures. We had this year, slides of unusual excellence from President McKee, Vice-President Hall, Mr. Lapham, Mrs. Nesmith, Mr. Merry, and Mrs. Corey, and colored motion pictures from Mr. Cooley and Mr. Merry.

The May and June meetings began with the annual pilgrimage to Over-the-Garden-Wall at North Granby, Connecticut. The new location and development of Over-the-Garden-Wall by the Kelloggs deserves the highest praise. Here one finds a very complete collection of the latest named varieties and one of the largest seedling

gardens in New England with innumerable thousands of seedlings.

The pilgrimage this year included visits to the following gardens:

Mr. and Mrs. Harold E. Knowlton, Auburndale, Mass.

Here the yellow plicatas and WILLIAM MOHR offspring were dazzling. Mr. Knowlton's seedlings were notable this year, principally No. 38/32B, a large white with a yellow beard; and No. 37/19B, a very large, fine, medium blue.

Mr. Albert E. Peck, Framingham, Mass.

Moremost here were several large clumps of Mr. Peck's THELMA JEAN, and his latest introduction, the pale blue WINTER SHADOWS, which has received much favorable comment. LATE SUN, a new and not-to-be-forgotten yellow from DeForest, attracted all the judges. As seen here this season, it belongs among the top flight yellow iris. Among Mr. Peck's seedlings were several self-striated on both standards and falls, like MARQUITA, but in various colors including red, blue, and yellow. None of these was tall or large, but they were certainly most unusual breaks.

Mr. L. Merton Gage, Natick, Mass.

ARETHUSA here in several well-grown clumps was most outstanding. THE PEARL is a new white of great garden value. Outstanding among the reds were RED BONNET, DAMERINE, RED GLEAM, RED POMP and ANNA GAGE. ETHELYN KLEITZ, also classed as a red in garden effect, seemed a most outstanding deep pink and a remarkably fine iris. Mr. Gage has a very promising near-black seedling called ATROUS. The color is more accurately described as Ridgway's maroon with a velvety black overlay, large, tall and gleaming. SALAR gave a new salmon tone to the garden and was very fine in every way except for slightly open standards. Our very dry season also caused many old reliables likewise to open up this year. NED LEFEVRE, from Mr. Lapham, is a fine new brown toned flower, which will offer BROWN BONNET some active competition.

Mr. William J. McKee, Worcester, Mass.

Aptly described as the jewel-box garden, one finds here the latest introductions and finest seedlings. On the upper terrace YELLOW JEWEL, GOLDEN MAJESTY, SPUN GOLD, and MING YELLOW again were competing for glory.

In the main garden WAKARUSA presents a notable color break; more formal EDWARD LAPHAM, a fine new red beside the earlier RED GLEAM. The latter still seemed to us a shade nearer spectrum red, but EDWARD LAPHAM is otherwise the superior iris. ORANGE FLAME flowered to perfection, but the color is faded compared to RADIANT, its parent. DEEP VELVET had perfect blooms and a marvelous silken sheen.

Mr. McKee's seedling No. 41-41 (now named MARY VERNON) is a variegata with yellow bronze standards and very reddish falls edged like CITY OF LINCOLN. This iris seems to be the best variegata to date, and its red tones made the falls of CITY OF LINCOLN nearby, look quite purple by contrast. Mr. Hall's yellow seedling No. 40-44 seemed very promising. It was our misfortune to miss a new yellow and white seedling of Mr. McKee's which has provided conversation among the judges ever since.

Mrs. Thomas Nesmith, Lowell, Mass.

Here is another focal point among the finest gardens. Dr. Graves' SNOW CARNIVAL is a new blue white, frilled with flaring falls and yellow beard, very large and outstanding. POT O' GOLD, a better GOLDEN HIND, and actually deeper in color. BROWN BONNET is a magnificent new brown iris. MELITZA is one of the finest iris of the season and probably Mrs. Nesmith's finest introduction to date.

Mrs. Herman E. Lewis, Haverhill, Mass.

We sadly returned to Haverhill, but despite the lingering sorrow the garden still thrills us all. WINNIPESAUKEE, the outstanding seedling, was very fine and probably the best of Mrs. Lewis' yellows. OLD ROSE is well named and excellent except for slightly open standards. Here, again, MELITZA was most distinctive.

Dr. R. J. Graves, Concord, N. H.

Dr. Graves grows iris with remarkable results; first year plants produce stalks like well-established clumps in my garden. FRANCONIA was perhaps the best new white; it is like GLORIOLE in form but larger. A stalk of this iris received an H.C. award at the Boston show. Other unnamed seedlings of merit were No. 39-145, a very fine light pink, No. 39-187, a white self with a yellow flush on the upper half of the falls; a deep yellow seedling (number not noted) from [NARANJA $\times$ (LADY PARAMOUNT $\times$ PLUIE D'OR)] and certainly about the finest yellow seedling we have seen with

PLUIE D'OR parentage. FUNNY FACE is not an iris of all around merit, but it has a remarkable deep brown color and a rather unusual name. KATHERINE LARMON is an excellent blended brown bicolor with falls flushed pink; and PASSACONWAY, a very bright blend, about the best in this class among the seedlings. In retrospect, AND THOU, FRANCONIA, and SNOW CARNIVAL seemed most meritorious.

Among the named varieties the following were outstanding: WILD ORCHID, ELSA SASS, HEYDAY, CARVED IVORY, EX-PRESIDENT, and SMILING SUNRISE.

Mrs. Walter T. Tobie, Portland, Maine.

The annual visit to Cape Anne and the exquisite iris gardens of Mrs. Tobie terminates the iris season in New England. Mrs. Tobie has one of our oldest, finest, and largest gardens. Her hybridizing efforts have yielded fascinating results, which always leave the judges with bewildering problems of selection. One large group of white seedlings of almost uniformly excellent flowers were from CLOVELLY as a pod parent. CLOVELLY is most unusual; it is effectively a white but flushed light green. The green effect is most pronounced on the freshly opened blooms. Among the finest things seen here were:—HENCHMAN, a blue bicolor with the standards edged dark blue like the falls; FINLANDIA, a light blue of about the same tone as WINTER SHADOWS and apparently a better iris; DOWN EAST, a magnificent anthracene self with semi-flaring falls with a fine velvety sheen (CYRUS THE GREAT $\times$ BLACK WINGS); SHANUNGA, No. 41-41; No. 41-10, a light blue self of WINTER SHADOWS type; No. 41-7, a cream yellow self with a bright golden beard; No. 41-4, a pale yellow self, perhaps not smooth enough but a most interesting color.

Other important New England gardens not included in these notes because visits were made too early, too late, and, in one case, not at all, are those of Miss Grace Sturtevant, Wellesley Farms; Mrs. Preston E. Corey, Winchester; Mrs. Franklin P. Lowry, Newton; Mr. Harold T. Bent, Framingham; Mr. Henry Butterworth and Mr. C. M. Carruth, both of Worcester. All these gardens contain many seedlings and top flight named varieties.



REGION 2

New York

KENNETH D. SMITH, *Staten Island, N. Y.*

■ THE HIGHLIGHT in Region 2 was the American Iris Society show held under the auspices of the Horticultural Society of New York in that organization's rooms at 598 Madison Avenue, New York City, on May 23 and 24. Judges were Mrs. Ethel Anson S. Peckham, Mrs. Thomas Nesmith, and Willard M. Kellogg, representing the I. I. S.; and George Ferguson and Alexander Michie, representing the Horticultural Society of New York.

The silver medal of the A. I. S., awarded for the outstanding stalk in the show, was won by Kenneth D. Smith with the variety FLORENTINE, and the bronze medal of the A. I. S., awarded for the second best stalk, also went to Mr. Smith for his variety YELLOW JEWEL.

Sweepstake medals of the Horticultural Society of New York were awarded as follows: gold medal to Mr. Smith with 51 points; silver medal to Fred W. Cassebeer with 34 points, and the bronze medal to Elizabeth McKnight with 13 points.

Two Highly Commended were awarded, the first to Mr. Cassebeer for a tall bearded seedling No. C-27, and the other to Clarence G. White for NELSON-OF-HILLY, exhibited by Mr. Cassebeer.

The show was beautifully staged, and your regional vice-president is greatly appreciative of the cooperation given by the Horticultural Society of New York, which supplied the containers, placed them on the proper tables and filled them with water, supplied exhibitors with cards that had already been typed, so that all that was necessary to be done by the exhibitor was to place the stalk of iris in the container with his entry card before it. I know of no other show where so much work was done for the exhibitors.

The following tall bearded iris won first in their respective classes: EASTER MORN (white), FLORENTINE (plicata), AMIGO (amoena or neglecta), BURLESQUE (variegata), VENITIENNE (lavender or light blue), VIOLET SYMPHONY (medium blue or violet), BRUNHILDE (blue-purple), SIR MARK COLLETT (red-purple), BRONZINO (maroon or bronze), JEAN CAYEUX (salmon, copper and tan), AT DAWNING (pink or mauve), CHRISTABEL (red), PALERME (light colored blend), DUBROVNIK (medium colored blend), DIANA (cream

or light yellow), YELLOW JEWEL (deep yellow or orange), and GRACE MOHR (hybrid).

In the display class of five stalks of one variety, EASTER MORN was first, and SHINING WATERS, second, in the light colored class. In the dark colored display class, ORLOFF was first and INDIAN HILLS, second.

Dr. George M. Reed tells me that the Brooklyn Botanic Garden has started large display beds of tall bearded iris, most of which have been received as donations from hybridizers and dealers. Many of the newest iris are represented, and it is hoped that next year this garden will be on its way to making a magnificent display. Tudor City, an apartment development near the East River at 42nd Street, has also planted considerable iris donated to them in the gardens that were formerly used for tulips, and it will be interesting to see how they react in the city environment.

I have received a report of a meeting held on November 30 by the western New York section of the American Iris Society, and it states that Mr. T. J. Gundlach was elected chairman for the year 1942; Dr. H. L. Robson, vice-chairman, Mr. C. K. Bassett, secretary and treasurer, and Mr. Frederick Stuntz, corresponding secretary. This section of the Society has been very active, and at the meeting referred to above, Mrs. Leo C. Shippy showed Kodachrome slides of gardens and iris which she took at the Nashville meeting.



REGION 3

Pennsylvania, New Jersey, Delaware

No report.



REGION 4

Maryland, District of Columbia, Virginia, West Virginia

J. MARION SHULL, *Chevy Chase, Md.*

■ THIS REGION in the spring of 1941 had the worst iris season since the establishment of the American Iris Society in 1920. Early and continuing drought covered the entire area. Growth was short and flowers, for the most part, of poor quality.

Owing to the postponement of the meetings at Nashville, I was unable to be present at the first show of the season, that of the

Woodridge Garden Club, which last year staged the finest display of the region. In my absence, I asked Mr. W. T. Simmons, of Tacoma Park, D. C., to report on this, and I give you below his report in its entirety as it speaks eloquently and adequately for the whole region:

“The very peculiar Spring of 1941 was definitely reflected in the iris show staged by the Woodridge Garden Club on April 12, and as a result first-class flowers were the exception rather than the rule. The outstanding feature was the seedlings, of which there were about 20 shown.

“Mrs. Arthur P. Harrison and Mr. Winn T. Simmons were the accredited A. I. S. judges of the show, but as Mr. Simmons was one of the exhibitors of seedlings, he did not participate in the judging of that class.

“The award for the best seedling was given to a large lavender-blue self with three blooms well placed on a 45-inch stalk. The parentage was SAN FRANCISCO $\times$ PURISSIMA. It has been registered as BUSTER BLUE.

“Owing to the continuous drought and otherwise unfavorable growing weather, few gardens were visited, and in them the growth was so poor and the bloom so inferior that it was considered unfair to make ratings either of seedlings or established varieties. The drought was not broken until the first of June after the blooming season was well over.”

The Takoma Park Horticultural Club made every effort, as it has for many years, to set up as good a display of iris as conditions would permit, but there was little competition and many fine varieties usually present in its shows were conspicuously absent.

As Mr. Simmons indicates, fair rating within the region seemed impossible this year, and for once I shall commend rather than condemn any judge of the region who neglected his duty to the extent of making none. I, myself, made none from this area.

It was a great treat to visit the iris gardens at Nashville and Roanoke, but others better equipped for doing so have made quite full reports of this occasion. Conditions at Nashville apparently conspired to present the gardens at their best—bloom abundant and in excellent condition; weather just right.

As my ratings and notes were turned in to the committee handling these matters, I will not repeat them here, but I have to con-

fess that carrying a color camera is so fascinating that much time is spent in getting the proper angle, the best light, and just the right exposure—and leaves just that much less time for detailed notes and keen rating.

●
REGION 5

North Carolina, South Carolina, Georgia, Florida

No report.

●
REGION 6

Michigan, Ohio, Indiana

MRS. SILAS B. WATERS, *Cincinnati, Ohio*

■ THE MEMBERS of this region are interested in owning many of the newer introductions; indeed, our amateur gardeners have a fine record for iris well grown.

We plan a regional meeting in Bluffton, Ind., during the iris season of 1942, and members of other regions are invited to join us in viewing the new productions in the gardens of Mary Williamson and Paul Cook; some will go on to Mr. Lapham's.

Such a pilgrimage will prove enjoyable and educational to all who attend.

●
REGION 7

Kentucky, Tennessee, Alabama, Mississippi

GEDDES DOUGLAS, *Nashville, Tenn.*

■ THE AMERICAN Iris Society held its annual meeting in Nashville on May 9 and 10, 1941. Inasmuch as the greater part of all iris activity in this region centered about this meeting, and as this has been thoroughly covered in a previous issue of the BULLETIN, there is nothing else to report.

●
REGION 8

Wisconsin, Minnesota, North Dakota, South Dakota

MRS. W. F. ROECKER, *Milwaukee, Wis.*

■ THE 1941 iris season came on us with a rush. Hot weather brought out blooms too early so that some were deformed and the stems were short. However, some iris, notably EROS, and some of the yellows, did remarkably well.

The Wisconsin Iris Society's annual show was set for a time when iris in this region should be at their best—the first weekend of June. This year we had only the last blooms left by that time, and Mr. Schreiner reported that his iris also were very early.

On December 10, Mrs. F. H. Clutton, of Highland Park, showed slides of many of the newer iris, commenting on them as the members of the W. I. S. expressed exclamations of delight. Pictures of gardens and personages of the A. I. S. annual pilgrimage were included for added interest. A. I. S. members were invited to hear this lecture.

At the dinner preceding the talk, a bud of *ULTRA*, picked in the garden of one of the W. I. S. members on December 8, was shown. It was not fully opened, but was the second bud, the plant having two flower stalks. Who can match this late bloom? *AUTUMN QUEEN* in my garden had two flower stalks on November 28. A number of dwarf iris were reported as blooming a second time in this part of the state this year, *BLACK MIDGET* being one of the best. One of the W. I. S. members had *WM. MOHR* over two feet tall, two and three stalks to a plant, from plants not covered last winter and growing in an open field in clay soil.



REGION 9

Illinois, Iowa, Missouri, Nebraska, Kansas

DR. FRANKLIN COOK, *Evanston, Ill.*

■ HAVING RECOVERED from the pleasurable shock of the 1940 convention, Region 9 continued to experience favorable growing conditions in 1941. In fact, we might almost boast à la California about our "ideal iris climate" season after season—due in part to the proximity of the Lakes which keep us relatively warm in winter and temper our early springs to the extent that a really damaging late frost is almost unknown, at least for those of us fortunate enough to be near these great bodies of water.

We have always been most grateful to have quite a number of successful hybridizers in our region, so that each year is apt to bring forth a multitude of fine new things to see. This year the Sassés had two marvelous new whites, *ALBA SUPERBA* and No. 22-40; a grand blend in *SUNSET SERENADE*, a lovely cool lemon yellow self, No. 70-40, very wide and full, and a number of excellent blues and plicatas.

Mrs. Whiting grew a forest of blends, a number of excellent ones coming through MATULA $\times$ CHINA MAID. Mr. Lapham (Region Niner by adoption in this instance) increased his prestige among the breeders for pink-toned iris with the introduction of SALMON SPLENDOR, a fine massing iris of even more positive color effect than that grand "landscaper" NO-WE-TA. His reds are still getting redder, too. Mr. Paul Cook introduced several new ones in many different colors, both dark and light, while his iris of the past few years continue to gain in favor. And, finally, Mr. David Hall showed up with some fine surprises. I wrote many hybridizers of the region this fall for notes on their accomplishments, hopes, and fears—after all, a hybridizer knows his pets better than most people are likely to for many years—and their breeding notes all are published elsewhere in the BULLETIN.

Hereafter, this regional vice-president will be much indebted to the hybridizers of the region if they will send him early each fall full and concise reports of the trials and tribulations of the year—also hopes fulfilled, and new crosses in expectation—so that we may better understand the role of the iris procession each hybridizer is playing, amateur or professional. And if every regional V.P. would care to do the same, what a splendid bird's-eye view of the national hybridizing effort we would have. If only. . .

Quite a delegation of Region Niners descended upon Nashville for the Annual Meeting in May, and were treated to the hospitality which seems so much a matter of course to Southerners, but which opens both the eyes and hearts of Yankees. The iris, as usual, were grand, and perhaps in only one other locality in this country could so complete a collection of the very newest introductions be seen. There many of us made the acquaintance of such sterling newcomers as PRAIRIE SUNSET, SPUN GOLD, GOLDEN FLEECE, DEEP VELVET, ARCTIC, and many another—a complete iris education, brought up to date. What an opportunity it was, and how eagerly was it grasped!

This fall, we held our Seventh Annual Get-Together Luncheon, with 42 members present. Mr. Elmer Claar reviewed the Nashville pilgrimage for us by way of a 400-foot movie notable for its panoramic views and many trick shots of iris taken against the sky as a background. Many members had taken Kodachrome slides, the finest of all being shown by Mr. Hubert Fischer, of Lombard, the

excellence of whose camera work was demonstrated further by his taking a prize in this year's A. I. S. Color Slide Competition.

An interesting hour was spent by the guests discussing the relative merits as to garden value, hardiness, and other plant habits of specific varieties according to the pooled experience of the members present. Varieties for discussion were taken from a mimeographed list made up of the 99 iris listed as highest raters in the 1941 Unofficial Iris Symposium, classified as to color, and with Schreiner's "One Hundred Best" list superimposed upon it. Other iris nominations were made from the floor.

As each color class came up for discussion, the field was first cleared of all tender varieties about which there was general unanimity of opinion. Then a vote was taken among those remaining as to their relative excellence. Northern iris fanciers have to be rather hard-boiled on this tenderness business. We have learned to consider **HARDINESS FIRST AND FOREMOST**—*then and only then*, begin to talk about color, form, substance, texture, branching, and so forth.

Well, when the shouting had died down and the last ballot was counted, there emerged on the blackboard our very own "HARDY HALL OF FAME"—top four or five varieties in each color class: Here it is:

White:

Matterhorn
Arctic
Mount Cloud
Snow Flurry

Blue:

Gloriole
Exclusive
Missouri
Great Lakes

Yellow:

Spun Gold
Golden Fleece
Golden Spike
Golden Majesty
Elsa Sass

Cream:

Fair Elaine
Old Parchment
Snoqualmie
Golden Treasure

Amoena:

Wabash

Variegata:

City of Lincoln
Frank Adams

Pink Selfs:

Melitza
Imperial Blush

Pink Blends:

China Maid
Matula

Morocco Rose

Angelus

Yellow Blends:

Prairie Sunset

Stardom

Glen Ellen

Brown Thrasher

Mauve and Mauve Blends:

Violet Crown

Ozone

Persia

Violet and Purple:

Deep Velvet

Amigo

Storm King

Sable

Louvois

Reds and Coppers:

E. B. Williamson

The Red Douglas

Junaluska

Garden Magic

Plicatas (Blue and White):

Lady Naomi

Los Angeles

Claribel

Seduction

Plicatas (Red and Yellow):

Ruth Pollock

Balmung

Royal Coach

And now it's January. What will next year bring? Many of us have high hopes for a pink blend the color of the now famous Loomis SQ and TQ seedlings, but in a larger flower. Or a truly beautiful white of rock-ribbed hardiness, or a yellow of *graceful form* of the color of GOLDEN HIND, substance of SPUN GOLD, texture of MING YELLOW, and the branching of YELLOW JEWEL. Or perhaps a blue that is more truly blue, a red more red, a better-branched and larger WABASH. Or an iris with "a white top and a red bottom," or yellow stands and violet falls. All these things are in the wind. Who knows? Certainly the end is not yet!



REGION 10

Oklahoma, Arkansas, Texas, and Louisiana

FRANK E. CHOWNING, *Little Rock, Ark.*

■ REGION 10 continues to show a rapid growth in iris interest from year to year. Accredited shows were held in Fort Worth and Dallas, Tex., on April 18 and 19, respectively, at which Mr. William C. Fitzhugh, of Shreveport, La., and the writer were judges. Despite very unfavorable weather conditions and an unusually late season, which prevented the showing of all but early and medium early varieties, there was a very creditable display in both cities.

At Fort Worth the show was conducted by the Fort Worth Garden Club, and at Dallas by the Dallas Iris Growers, an organization not quite two years old. An H. C. award was given to seedling No. 41-1014, originated by W. R. Cochran, Dallas, Tex. This seedling is a deep red-purple self with a semi-flaring type flower.

Shows were also held at Shreveport, La., by the Shreveport Iris Society, and at Oklahoma City under the direction of the Oklahoma State Iris Society. I was unable to attend either of these two shows and have no first-hand information with reference to the exhibits.

At LaFayette, La., there was recently formed an organization whose chief interest is the preservation and improvement of the wild iris of Louisiana. For many years prior to Dr. John K. Small's "discovery" of the Louisiana iris, two women, Mrs. Mary Sords DeBaillon, of LaFayette, and Mrs. Robert Lee Randolph, of Alexandria, La., had been quietly collecting rare forms of these iris for their gardens, and Mrs. Randolph, among others, had done a great deal of hybridizing in producing new forms. It was Mrs. DeBaillon, however, who had the greatest collection of these forms and to whom much credit is due for collecting and preserving some of the rarer specimens before they were lost. Both Mrs. DeBaillon and Mrs. Randolph have passed away in the last few months, and the above mentioned Society, which has been named "The Mary Sords DeBaillon Louisiana Iris Society" in her honor, is unique in that it confines its interest to Louisiana iris only. This society should be of great value not only in preserving this particular branch of the iris family, but also in improving it and distributing it throughout the country.

No show was held in Little Rock this year, but there were great numbers of visitors to the city to see the local gardens, and many members of the Society from Oklahoma, Texas, and Louisiana who attended the meeting at Nashville visited Little Rock gardens on their way through the city.

We hope that the interest in this section will grow to the point where within the next few years, the American Iris Society will select one of the cities in this region for its Annual Meeting



REGION 11

Montana, Idaho, Wyoming

No report.



REGION 12
Utah, Colorado, Arizona, New Mexico
No report.

REGION 13
Washington, Oregon
No report.

REGION 14
Northern California, Nevada
MRS. GEORGE GORDON POLLOCK, *Sacramento, Calif.*

■ IN A year of such uncertainties, changes, and adjustments, it is gratifying to recall the gains and accomplishments of the past season. Region 14 finds on the credit side of the ledger an increasing membership in the American Iris Society with one life member added to the rolls; larger spaces devoted to the exhibiting of iris in the annual flower shows and greater numbers of exhibitors; the addition of new names to the already distinguished list of hybridizers in this region; a greater tendency to travel about this large district to see how the new introductions are growing in other cities.

Weather conditions were so unfavorable during the spring that it would be unfair to judge or comment on any iris that was blooming for the first time in Northern California. It was a great disappointment to see GOLDEN SPIKE, MIRABELLE, FLORA ZENOR, PERSIAN PRINCE, GOLDEN FLEECE, and BUTTERCUP LANE looking less than their best. But since all varieties show vigorous growth and splendid increase, perhaps they will all be better for this dormant spring.

The weather did not dampen the enthusiasm of the hybridizers. Professor Mitchell's garden contained some of the most interesting seedlings that he has yet developed. He has many tall, low-branching plicatas, a beautiful clear buff self, and one of the finest pinks I have seen. None is ready for introduction, but all should be watched next year.

The most unusual iris developed this season is Mr. Carl Salbach's onco-hybrid No. 3-38. The parentage is (ALTA CALIFORNIA $\times$ KING MIDAS $\times$ MISS CALIFORNIA) $\times$ (WILLIAM MOHR $\times$ IBMACRANTHA). The standards are ashes white, the falls clear yellow with a greenish cast, heavily veined in a rosy purple. It is truly, as one visitor said, "the most beautiful onco I have ever seen." This iris will

not be introduced until 1943. No. 126-38A, a MISS CALIFORNIA $\times$ GOLDEN MAJESTY seedling in the same garden has large blooms with standards fawn and falls a clear light pink. Mr. Salbach will introduce this spring No. 129-37, a PURISSIMA $\times$ blue bicolor seedling cross which has produced possibly the largest of all the blues, and which bloomed in the fall as well as very early in the spring. Saved for future listing is No. 147-37A—ORLOFF $\times$ (SEDUCTION $\times$ ALTA CALIFORNIA)—which is a clear yellow plicata with a very definite sanding of purplish brown. Larger than RUTH POLLOCK, it does not have any tendency to look “washed out.”

Miss Ruth Rees, while limited as to garden space, planted 600 seedlings last fall, about two-thirds of them from SNOW FLURRY. All were of uniformly good quality, and one cross of SNOW FLURRY and HAPPY DAYS produced a huge cream iris of good form and desirable branching. Some of these seedlings bloomed in 14 months from seed.

Mr. Frank Reinelt, of Capitola, already famed for his development of the Pacific Strain of delphiniums, is in the list of new breeders in Northern California, as is Mr. Bernard Hoisholt, of Oakdale. Mr. Hoisholt has developed this year, among others, a very fine large white iris, sparkling in texture, with a distinct yellow beard.

The beautiful Hall of Flowers on Treasure Island was bought by the State of California and removed to the State Fair Grounds in Sacramento to be the Horticulture Building. The building was opened on September 10, Floriculture Day, and the outstanding hybridizers, horticulturists, and landscape architects of the West attended the dedication. The American Iris Society was represented by the regional vice-president.

In 1942, when a new chapter in our lives is being written, our iris gardens will be our “defense” gardens, defenses against ugliness, defenses against anxieties, always returning more strength than the strength that goes into them.



REGION 15

Southern California

LENA M. LOTHROP, *Alhambra, Calif.*

■ WE WERE honored to have with us at the first meeting of our judges Mr. David F. Hall, our vice-president, and Mrs. Hall. It was a luncheon-meeting and was held, as a year ago, at Claremont

Inn on March 15. There were about 30 people present, including judges, wives, and guests. The dainty place cards illustrating a rainbow with spears of iris foliage and tiny shells arranged in the form of an iris were the work of Mrs. White. She also painted two iris portraits to be given to the person who first recognized their identity. One, CORONET, was fittingly claimed by Mr. Hall, and the other, YOUNG APRIL, went to Mr. Carl Taylor for his quick speaking.

After exhortations by the regional vice-president on the duties of judges, short talks were given on the different parts of an iris by some of the judges, followed by questions and comments. The subject given to Mr. C. S. Milliken was "The Plant and Its Relation To the Stalk." He thought the topic superfluous, as anyone could see there was a plant, but he was pelted with questions regarding the plant and concluded, I hope, that the topic had talking value. Mr. Eric E. Nies followed with "The Stalk and Its Branches." Mr. White mentioned the illustration of *I. mesopotamica* in the *Genus Iris*, which he had brought, as showing the perfect stalk. The next subject, "Flower Form in Tall Bearded Iris," was handled in such an admirable way, and received so much favorable comment, that I asked Mr. Giridlian, whose talk it was, to permit me to include it in the regional report, and it is presented herewith.

FLOWER FORM IN TALL BEARDED IRIS

I have been asked to talk about *form* in the tall bearded iris. There does not seem to be much that I can say on the subject because we all know what constitutes good or bad form in iris. We have been taught from the start that for a flower to be considered perfect, it had to conform to certain ideas, such as having wide segments, flaring falls, upright domed standards, etc. The standard of perfection set by the growers and breeders is very definite. This idea has taken such a firm hold of our minds that we have become radically opposed to any changes in the stereotyped form. In visualizing a new iris, we have come to the point where we simply fill in new colors on a rubber-stamped form. I can truthfully say (and I think without contradiction) that the breeding of iris as to form has attained the standard of perfection arbitrarily set and that now it is at a standstill.

We have been led to the belief that each section of the iris genus has a separate standard of perfection. Thus, *I. Kaempferi* should have large, circular segments held horizontally. It can even have three petals instead of six. The former is called a single flower and accepted as perfect. But let a breeder show a tall bearded iris with only three petals, and you will in all probability hear a deafening roar of protest. A flower of the oncocyclus section is considered perfect when it has huge standards and small falls that tuck or curl under, but this same form in the bearded section is frowned upon.

I may be called a radical or at least looked upon as being "off" a little somewhere in the upper story for daring to think of a tall bearded iris in which the style arms have been elongated in such a manner as to form a feature of the flower rather than to hide itself under the standards. Some members of the *oncoeyclus* and beardless sections show that possibility. Again, I can visualize the crest developed to make a sensational display such as is seen in *I. japonica* and the Dutch iris. Would it be too much to expect that some day the hairs of the beard will be developed to such a length that they will alter the character of the flower, or the beard extended all the way down the center of the falls? Why would it be objectionable to have all six segments formed in a horizontal manner with the style branches held upright in the center of the flower such as in some of the *Moraeus*? These are not idle dreams, but possibilities, because the bearded iris does often break in these directions, but instead of these seedlings being segregated and developed along such channels, they are consigned to the compost heap with all possible speed. The breeding of tall bearded iris has only just begun, and I can see great possibilities of changes in the form of the flower; more so, in fact, than in any other feature of the plant.

The beauty of the iris flower does not depend on any artificial standardization, but rather on symmetry and on balance of proportion of each part of the flower in relation to the flower as a whole. That is why *I. sibirica* seems to be a perfect flower even though it has narrow segments, *I. Kaempferi* is lovely in spite of the fact that the standards do not stand upright, *I. susiana* is gorgeous although the falls are small and tuck under, and *I. Povina* is the "darlingest thing" to all who see it even though it has very little more than the three falls.

I well remember reading some years ago in a catalog that the proprietor of this particular garden, after due and deliberate study of iris form, had come to the conclusion that from then on he would not buy any new iris that did not have horizontal falls. I wonder whether he carried out this idea, and, if he did, just how interesting his iris garden has become! In flowers, as in living, "variety is the spite of life." I feel that growers and breeders alike should approach the subject with open minds, and variation in form of the flower should be encouraged to the end that, through variety, the culture of iris may gain renewed impetus.

J. N. GIRIDLIAN.

Mr. Carl Taylor discussed "Substance, Texture, and Finish," and, as was fitting, Mrs. White, our artist, gave the closing talk on "Color in Iris." This was so beautifully done that I asked that it, too, might be shared with the members who will read this report.

COLOR IN IRIS; OR IRIS IN COLOR

Either subject seems to cover what I want to talk about; yet, there is a subtle difference. The effort to make a color description, especially of these "onco-breds" in our own garden, brings the realization that *all* of the plates of Robert Ridgway's *Color Standards and Nomenclature* are needed—1,115 colors. And then, when trying to paint these iris on paper or canvas, in color, the wish comes that a color-box might contain even a hundredth part of the colors of this book!

With red and blue and yellow, the basic colors of a paint box, and black and white to accent or temper, or raise or lower the shades and hues of the mixtures of these colors, it seems impossible, sometimes, even to approximate the iris colors.

Very few of the colors, scientifically used in Ridgway's, have ever been heard of in an artist's supply store. Yet, Sorghum Brown and Burnt Lake are the perfect color descriptions of YOUNG APRIL's falls, with dark veinings added, and one must mix the right amounts of red and blue and yellow, and add a bit more of red, and perhaps of yellow, to try to show brown.

Possibly the origin-myth of this flower, iris, will help us. "It has its setting on Mount Olympus. Juno was so pleased with her waiting-maid, the pretty Iris, that she dressed her in brilliant hues and gave her the rainbow for a scarf. Iris could stretch the scarf across the sky and on it quickly descend to earth; and with this convenient rainbow-path she became the messenger of the goddess. Particularly pleasing Juno one day by her quick and wise despatch of an errand, Juno decided to reward her. 'I shall cause a flower to grow upon earth that shall be called by your name and shall bear the colors of your rainbow scarf. Take this vial down and pour its waters into the earth.' It is said that Iris, in her excitement, did not quite empty the vial, and so that is why red iris did not appear."

Still, we could not have purple without some red, so there is still hope for the pink we all desire.

Being only a colorist, I would try to produce a pink by crossing a white with a maroon, but the rules for paint-mixing may not govern flower pollens.

Tiffany Red! What a delightful-sounding color, but on my palate what shall I add to red to achieve Tiffany? Star-dust and Diamond-dust!

Dahlia Carmine sounds possible and yet—dahlia? Is that purple dahlia or yellow?

When I learned the colors of Iris's rainbow, or in more scientific language, the spectrum, the colors in order spelled VIBGYOR, violet, indigo, blue, green, yellow, orange, red. But Ridgway says, "36 colors of the pure spectrum scale." The rainbow, it seems to me, should be not only arched but tubular, for how is it that violet can be the starting color on one side and red on the other; red and blue must blend to make violet. The rainbow's double must be the lining, slipped a little, which would make it tubular and bring the red and the blue together!

Then there is the further mystery of Mother Nature's color palate, when she makes YOUNG APRIL with Petunia Violet and Litho Purple standards, and Burnt Lake and Sorghum Brown falls!

"A calm energy and strength of purpose," are words used to describe the way Mr. William R. Dykes worked. "Both scientific and practical, he wrote only of what he knew and knew of what he had written." But gossamer rainbow dreams must have led him on, as they do one I see working so patiently and quietly to produce YOUNG APRIL and her sisters.

At any rate, dear iris friends, let us always remember that we particularly, of all flower lovers, have the promise of the rainbow. Let us all with calm energy and strength of purpose pursue that rainbow's promise, and one day our reward will be the rosy-pink children of *Lortetii*, and tall, strong descendants of great *Gatesii*, and unique, speckled *Susiana*.

FLORENCE FISK WHITE.

At the close of the program, the room was darkened so that slides could be shown. First, we saw some of Mr. White's iris from slides made by Mr. Giridlian, and others with comments by Mr. White, and then we had another treat in seeing glimpses of the garden and iris of Mr. Hall, who talked to us about them as he put the slides through the projector. We hope Mr. and Mrs. Hall will form the habit of coming annually to visit us, but we would like to have them come in April in order to see more iris blooming in our gardens.

The next date of any importance to this group was March 25 when, without previous arrangement, several judges met in Mr. White's garden and rated some of his wide crosses and the few pogon iris that were in bloom.

The season, which had promised to be early, changed its mind, so not until April 15 was there another iris date, after which, they came fast and furiously. On the 15th two cars of judges drove out on the desert to Hemet, to see seedlings raised by Mrs. David White, who has long been a member of the A. I. S. The Redlands Flower Show was staged on the 16th. This is always an attractive show and for 15 years, or more, the iris division of the show has had the co-operation of the A. I. S. Two days later, the Hollywood Iris Show opened. This was put on by the Hollywood Garden Club. It was their second iris show but the first to be sponsored by the A. I. S. They are a most enthusiastic group and held a commendable show. The following day, April 20, found the judges in the garden of Mr. White in Redlands to rate pogon iris which were in perfect condition. In previous years many have thought that the lath over Mr. White's iris had something to do with their uniformly fine condition, but this year they were all grown out in the open and they have never been better. The rain sprinkled on us several times that morning, so Mrs. White insisted that we eat our picnic lunch in the house. While at the tables we played "Choose"; "if you could have one iris from Mr. White's garden, which one would you choose?" The result was interesting. Two chose a strongly veined, un-named, un-numbered seedling, six chose CALIFORNIA TREK, and of the remaining 15 present, no two people chose the same iris.

On the 23rd a number of judges drove to Ventura to visit the seedlings and garden of Mr. Marion P. Walker. It was too early for many of his iris, but we were charmingly entertained and had an enjoyable day. Mr. Walker is growing seedlings on a large scale,

and we are bound to see and desire some of his originations in the near future.

I visited the seedlings of Mr. Weber in Monrovia and the garden of Mr. Allum in El Monte. Mr. Allum is interested in including the blood of *oncocyclus* in his crosses.

On the morning of the 27th the judges met in the carefully tended garden of Mr. Reiser. This is a garden which is not yet badly cluttered with seedlings, but there is no telling what may happen! From here we drove to Mr. Milliken's seedling plot and then to their newly planted exhibition garden near Arcadia. In the shade of the huge live-oaks, which help to make these grounds so attractive, we ate our picnic lunch, then rated the iris we had not seen before and discussed the question of recommendations for award.

It is planned to hold another meeting of the 1941 judges during October. At this meeting the judges are expected to report on the best iris to grow in Southern California gardens—"best" to mean freedom of bloom and of increase and ability to survive neglect, as well as beauty of color and form.

I constantly hear objections to the numerical method of rating. I suppose Mr. McKee would discharge us if, instead of sending in ratings, we were to send in comments on the iris we were supposed to rate. We have a fine group of judges, and we enjoy our meetings and our rating bees immensely, but we do not rate uniformly. Several of us use 95 or 96 as a high score, and others consider 85 a high rating. Privately I wonder if these last would be satisfied to receive nothing above 85 on a fine seedling of their own. Could we have a gauge? Could it be decided that *SHINING WATERS*, for instance, should be rated in Southern California at 95 and other iris rated in comparison? Almost everyone agrees that the present method does not properly evaluate iris.

Corrections

■ The two spurias of Mr. Nies which are listed on page 4, *BULLETIN* No. 82, as having won Honorable Mention awards should read *BRONZSPUR* and *SAUGATUCK* instead of *Bronz Spur* and *Sangatauk*.

AT HOME WITH PROF. MITCHELL

IRMA POLLOCK

■ “YOU ASK me which is my favorite iris—and I ask you which is your favorite child.” We were sitting before the fire in the charming living-room of the English house set high in the hills of Berkeley, Cal., the home of Prof. and Mrs. Sydney B. Mitchell. It was a rainy spring afternoon that Prof. Mitchell had set aside in his very busy week to contribute these personal notes to what the members of The American Iris Society already know about this world-famous hybridizer.

Sydney Bancroft Mitchell, professor of librarianship and director of the School of Librarianship of the University of California, was born in 1878 in Montreal, Can., one of the four children of James and Sarah Cooper Mitchell. He is one of California’s “distinguished sons” by adoption.

Following his early education in the schools of his native city, Sydney Mitchell entered McGill University. Following his graduation in 1901 from the University, he entered the New York State Library School for graduate study, and received his Master of Arts degree from McGill in 1904.

In 1908, Stanford University called Prof. Mitchell to head the order department of the University library, a position which he held for three years. In 1911, he came to the University of California to fill a similar position, becoming assistant librarian in 1919. When the School of Librarianship for graduate students was started in 1927, he was selected as director, a position he holds in the faculty at the present time.

Science says that memory goes back only to the fourth year of age, but Prof. Mitchell confesses to a great interest in flowers and growing things even before that age. The “pocket-piece” that might have been spent for English toffee was always divided to include a packet of seeds with a smaller “sweet.” It was the period when great improvements were being made in sweet peas, and each tender bloom was eagerly awaited to see what new wonders of color and form would unfold. The seed catalogues of Sutton and Ferry were almost his primer readers.



Newly created bronze Medal for Achievement in hybridizing, depicted in full size.

It was during the undergraduate years at McGill that Prof. Mitchell first became interested in the flower with which his name was to become associated throughout the world. The start was made with four small varieties, now found only in the rural gardens of those who throw nothing away. As finer iris were developed, he acquired them, and the best from all the breeders came with him to California and Stanford University.

He attempted no breeding himself until 1919. In that year he met Mr. William Mohr and began that delightful association which was destined to produce the finest iris yet known, and which lasted until the tragic death of Mr. Mohr. Working with the low-growing, small-flowered iris of that day, he developed almost a new strain of flowers—the tall, low-branching, large-flowered iris with the lovely singing Spanish names: PURISSIMA, SAN FRANCISCO, MIRASOL, CONQUISTADOR, SANTA BARBARA, EL CAPITAN. SAN FRANCISCO received the highest award of the American Iris Society, the Dykes Medal, in 1927.

Each succeeding year found new introductions from Sydney Mitchell's garden "work shop," each finer than the last. At present he is making hundreds of crosses for plicatas, and many crosses for pinks.

Professor Mitchell has been president of the California Horticultural Society since 1933, and is the editor of the *Journal* of that Society. One of his greatest interests at present is the development of those shrubs that do best in the California climate. He has introduced several new blooms (cistus) named Pomona, Stanford, California, after the universities, and improved helianthemums, of which California and Notre Dame are the best known. He is greatly interested in developing new disease-resistant daffodils, but has made no introductions to date. Besides being the author of innumerable articles on library topics and horticultural subjects in magazines, Prof. Mitchell has written the well-known books, *From a Sunset Garden*, *Adventures in Flower Gardening*, and *Gardening in California*, the latter one of the most widely read books in the West.

The question of the "favorite iris and favorite child" again arose between us. "NATIVIDAD—FAIR ELAINE—CALIFORNIA GOLD? My greatest pleasure has always been in not doing the obvious," said Prof. Mitchell. "Gardening for me has always been adventurous, always experimental. Perhaps ALTA CALIFORNIA gave me

my greatest thrill in achievement, as it was a yellow iris without any yellow in the parentage and justified my scientific approach to the problem. Breeders today have fine large iris of varied form and brilliant new colors with which to start their developments, but in the beginning, years ago, there were only the small half-forgotten varieties for pollen-parents. So each one of my iris which in some measure has contributed to this advancement is my favorite."

No article on Sydney Bancroft Mitchell would be complete without mention of the cultured and charming Mrs. Rose Michaels Mitchell to whom he was married in 1908. Mrs. Mitchell shares her husband's intense interest in iris and daffodils, and has been the sympathetic companion, the gentle critic, the "second pair of hands," without whom even Prof. Mitchell's fame might glow less brightly.

REPORT OF 1941 IRIS SHOWS

MRS. RALPH E. RICKER, *Chairman of Exhibitions*

Dallas, Tex.

■ THE DALLAS (Tex.) Iris Growers' Show held in cooperation with the American Iris Society on Saturday, April 19, was a success. The rules set forth in the "Exhibition Policy and Management" of the American Iris Society were strictly followed. All A. I. S. members in Dallas were invited to exhibit, and a schedule of the show was mailed to every member.

The show received excellent publicity in the three daily papers. Invitations were extended to garden clubs and to other interested groups. This publicity resulted in 1,200 people visiting the show, for which there was no admission fee.

The show was held at the State Fair Grounds in the new Garden Center, which is a building dedicated to the garden clubs of Dallas. The building has excellent daylight lighting and permanent fixtures especially built for the display of flowers. The weather on the night before the show was very unfavorable as there was a high wind and an exceedingly hard rain. However, we did have a very creditable show.

There were both amateur and commercial exhibits. At the information desk was a guest book, and also on display were A. I. S. BULLETINS and iris pamphlets, sent by Mr. Howard Watkins, and also a poster listing the gardens of members open to visitors.

The judges for the specimen and seedling classes were Mr. Frank E. Chowning, of Little Rock, Ark., and Mr. William C. Fitzhugh, of Shreveport, La., both accredited judges of the A. I. S. The prizes awarded were given on the score point system. The bronze medal of the A. I. S. was awarded to Dr. B. J. Berger, winner in the specimen classes, amateur division. Miss Johnette Atkins, as winner in the artistic arrangement classes, received the A. I. S. *Check List*. In the commercial division, Mrs. Steve Barrett was awarded the silver medal of the A. I. S. A Highly Commended was awarded to Mr. W. R. Cochran for his seedling No. 41-1014; it is a dark violet self about 34 inches in height. Its parentage is DAUNTLESS $\times$ seedling and the name registered is DEEP SHADOWS. Mrs. C. R. Miller, Mrs. Guy Tittle, and Miss Mary Thorn, well-known flower show judges of Dallas, judged the artistic arrangements and shadow boxes. All award records were signed by the judges and are in possession of the Dallas Iris Growers' Society.

A special award known as the "Barrett Award," given by Mrs. Steve Barrett, president of the Dallas Iris Growers, for the outstanding iris specimen in the amateur section, was won by Dr. B. J. Berger. His exhibit was a splendid spike of SHINING WATERS. The "Barrett Award" is to be any iris, value \$5.00, to be selected from Mrs. Barrett's garden. Another special award was received by Miss Margaret Caillet for her outstanding shadow box. This prize was a copper pitcher, value \$18.00, given by the Peasant Shop, of Dallas.

Prizes awarded in the amateur division were as follows: *Artistic arrangements*, Miss Johnette Atkins, first; Mrs. L. G. Highnote, second; and Mrs. J. W. Sabatini, third. *Specimen classes*, Dr. B. J. Berger, sweepstakes; Miss Sarah Webster, second; and W. R. Cochran, third. *Shadow box arrangements*, Miss Margaret Caillet, first; Mrs. Lee Hudson, second; and Mrs. Steve Barrett, third. *Commercial division*, Mrs. Steve Barrett, sweepstakes; Mrs. F. P. Caillet, second; and Mrs. C. J. Haydon, third.

MRS. J. G. HIGHNOTE, *Chairman*

Washington, D. C.

THE ANNUAL Iris Show of the Woodridge Garden Club was staged in the McKendree Church on May 12. Thirty individual exhibitors placed some 200 entries in the specimen bloom and artistic classes. Iris predominated largely, of course, but there was a sprinkling of flowering shrubs and columbine which added to the variety and interest. The show was timed almost precisely to suit the local iris gardeners, but they would have gladly dispensed with a blustery gale that occurred two days before the show and wrecked the stalks of many iris blooms that were being groomed for the occasion. Even so, it was one of the prettiest floral displays that this club has staged, and the exhibition hall was thronged with visitors.

Probably the greatest interest shown in a single exhibit was centered on Mr. Winn T. Simmons' mammoth and stately BUSTER BLUE, a new seed-

ling, which was voted a Highly Commended by the two accredited iris judges. The parentage of this seedling is SAN FRANCISCO $\times$ PURISSIMA; the flower—large lavender blue self, domed standards, semi-flaring falls, slightly frilled, very fragrant; the stalk, 45 inches, sturdy, straight, branching similar to SAN FRANCISCO; foliage, dark green, heavy. Mr. Simmons also showed a fine non-competitive collection, numbering about 60 varieties. Prof. J. B. Parker displayed some fine seedlings.

What might be termed a lesson for bashful exhibitors occurred when Mrs. G. R. Georgens, who had not even intended to enter the show, but was persuaded to do so by one of the show committee at almost the last minute, took the prize for the finest iris in the show. Her entry was SAN FRANCISCO, the third consecutive victory for this variety as the best iris in a Woodridge show.

It was a real satisfaction to see our former president, Harold J. Clay, take the sweepstakes prize in the iris classes, the award being the silver medal of the American Iris Society. Mrs. J. J. Srnka, who received the second highest number of points in the iris division, was awarded the bronze medal of the A. I. S. For her entry of SAN FRANCISCO, Mrs. G. R. Georgens was awarded the A. I. S. *Check List*, also donated by the Society. Miss Ann Nevitt, a newcomer in our competition, won the iris JELLOWAY, offered by Mr. Winn T. Simmons to the highest point winner among those who have not previously won an award at a Woodridge Iris Show. Miss Hazelle Johnson was awarded the prize for the most artistic arrangement of flowers with iris predominating; her arrangement, a bowl of blue iris and blue phlox, was pictured in the account of the show in the *Washington Post*.

We wish to record our thanks to Mrs. Ricker and to the American Iris Society for their help, including show suggestions and prize awards.

FREEMAN WEISS, *Co-Chairman*

Redlands, Calif.

THE SPRING flower show of the Redlands Horticultural Society with the cooperation of the American Iris Society was held April 16-17 at the Santa Fe Arcade. The iris exhibited were much finer than the "unusual" wet season had promised. Iris had been blooming all winter and the peak of bloom had not arrived at the time of the show; yet all classes were filled and many splendid blooms were exhibited.

Mrs. Barry Dibble won the sweepstake in the specimen classes and received the bronze medal as the award. Mrs. Dibble also won the sweepstakes in the collection classes, for which she received the *Check List*. Mrs. Harry Lightner, of Yucaipa, exhibited many beautifully grown iris and was awarded the iris cup offered by the Horticultural Society to the winner of the sweepstakes in the amateur division.

Mrs. Lena M. Lothrop and Mrs. Virgil Martin served as the judges.

EDWARD H. BRENNAN, *Chairman, Iris Division*

Boston, Mass.

THE NEW ENGLAND group of the American Iris Society held its show in Horticultural Hall, Boston, Mass., on June 3 and 4, in advance of dates previously planned due to the early season. Mr. Harold T. Bent, of Framingham Centre, assisted by Mrs. F. P. Lowry, of Newton, very capably managed the show, assisted by a helpful committee.

The halls in which the show was held, the containers for specimens and some niches used for arrangements by garden clubs, as well as many other services, were given by the Massachusetts Horticultural Society.

There were many exhibitors in the specimen classes, but due to change of dates, the garden clubs were unable to be represented as they have been in past years. The specimen classes nearly filled Exhibition Hall; the arrangement classes were in the loggia; and a small hall was used to show four collections of flower paintings and drawings.

Dr. Robert J. Graves, of Concord, N. H., received the American Iris Society silver medal for the greatest number of first prize points; the Massachusetts Horticultural Society silver medal for the finest stalk in the entire show, which was *DEPUTE NOMBLOT*; the New England Division of the A. I. S. silver cup for the first place in sweepstakes, and a vote of commendation for white seedling No. 39-135 A.

Mr. Edwin S. Webster received the Massachusetts Horticultural Society bronze medal for second highest total number of points in the entire show.

Mrs. Preston E. Corey was awarded the A. I. S. bronze medal for second highest number of first prize points.

The judges for the specimen classes were Mrs. Thomas Nesmith, Mrs. Walter Tobie, and Mrs. Ethel Anson S. Peckham.

The arrangement classes were in charge of Mrs. Donald V. Baker, of Newton.

Mrs. Percy I. Merry won first prize for Siberian iris with its own foliage; Mrs. Albert S. Crockett received first award for an arrangement of bearded iris with or without flowers or foliage; Mrs. Norman Mitchell received first prize in the class calling for bearded iris excepting white hue. In the class for garden clubs only, Mrs. Samuel B. Kirkwood and Mrs. Norman Mitchell of Better Homes and Garden Club, Winchester, were given first prize.

The judges of arrangements were Miss Daisy Lane, Mrs. Edwin Leonard, and Mrs. Francis W. Mitchell.

In the class for non-members only, the A. I. S. membership was won by Dr. David Halbersleben; Mrs. Pitirin Surokian won the second prize, *WABASH*. Mr. L. Merton Gage was the only commercial exhibitor. He had a fine display which included many of his beautiful originations.

Miss Geneva Mercer, of Boston, received a vote of thanks from the Massachusetts Horticultural Society for her bronze "*Joyousness*, figure of a baby boy." Around this figure iris that could be bought for a dollar or

less were displayed for general education. The value of this idea is in showing only the really fine iris that are now so reasonable in price.

Miss Dorothea Long Moretti also received a vote of thanks from the Massachusetts Horticultural Society for the bronze "Boy on Turtle." Around this garden ornament Mrs. A. C. Wilson of Osterville, Mass., showed fine tree peonies of such beauty and merit that she received a special prize of a silver medal.

Miss Geneva Mercer and Miss Lissa Bell Walker, of Boston, both received bronze medals from the Massachusetts Horticultural Society for their flower paintings and drawings. Mrs. Emma Bailey Frazer, Newton, and Maren Thorensen, Boston, received votes of thanks for their flower paintings and portraits.

Mr. Bent reports an attendance of 3,208, a number greater than the combined attendance of all the rest of the specialty flower shows in Horticultural Hall this spring.

L. MERTON GAGE, *Show Secretary*



Kirksville, Mo.

THE FIRST iris show of the Kirksville Garden Clubs with the cooperation of the Kirksville Chamber of Commerce and the American Iris Society was held at the Armory on May 17. In the opinion of the judges and others present, our exhibit was successful, especially for our first attempt, and attracted 800 visitors.

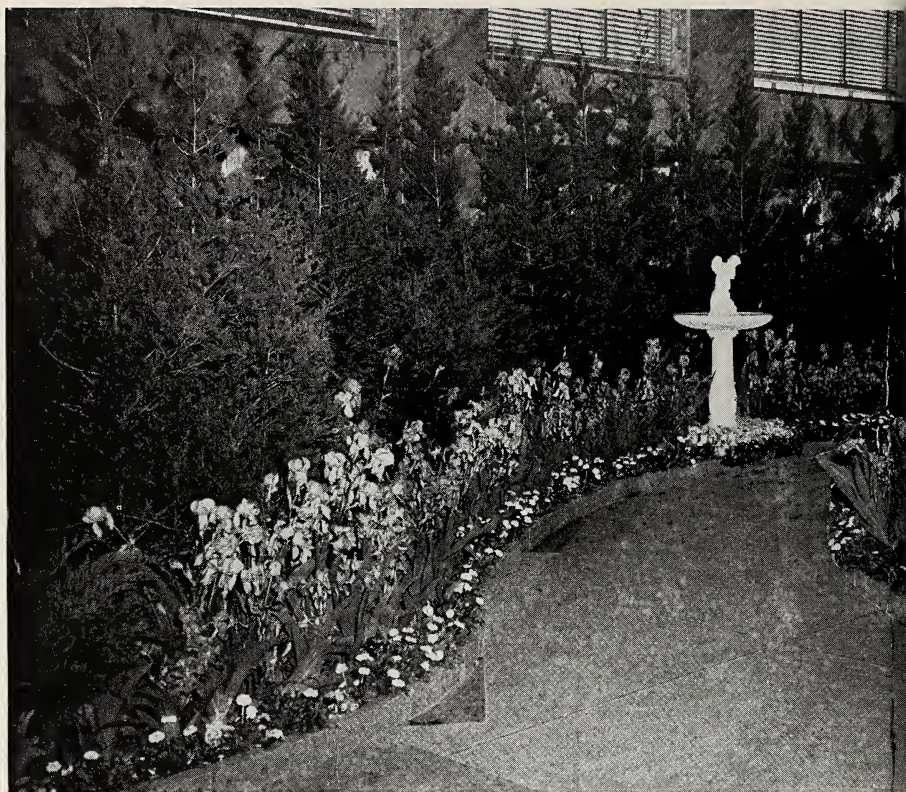
The schedule called for 16 classes for specimen iris, six classes for artistic arrangements, and two classes for collections. An interesting part of the show was an exhibit of about 25 specimens of seedlings, hybridized by Mr. Lewis Clevenger of Kirksville. Many of these received much favorable comment, and two were given recommendation by the judges present. One was a large "icy" and the other an intense bronze red.

The silver medal of the A. I. S. was awarded to Mr. Lewis Clevenger for the greatest number of points. The bronze medal was awarded to Dr. W. H. Ryle for the second highest number of points. The *Check List* was awarded to Mrs. G. H. Burroughs for the third highest number of points.

The judges for the specimen class and the collection classes were Mrs. Ella Callis, St. Joseph; Mr. Charles E. F. Gersdorff, Washington, D. C., and Mrs. L. Zenor, Oklahoma City, Okla. For the artistic arrangements the judges were Miss Edith Dabney, head of the art department of the State Teachers' College, Kirksville, Mo.; Mrs. J. H. Neville, a former art teacher, and Mrs. E. H. Thielka, artist.

The Kirksville Garden Club wishes to express its thanks to the American Iris Society and to Mrs. Ricker for helpful assistance and kindly interest in our show.

MRS. L. F. BOSCH, *Secretary*



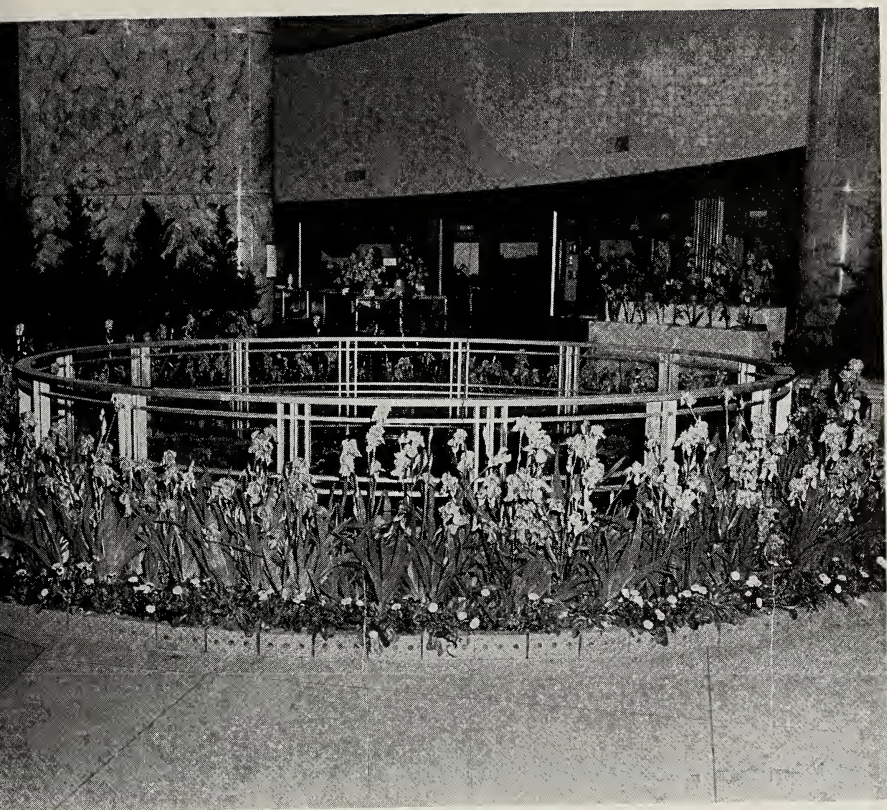
A well-planned iris display at Shreveport, La., staged at the entrance to the iris show.

Shreveport, La.

THE THIRD annual iris show of the Shreveport Iris Society in cooperation with the American Iris Society was held April 26-27 in the Louisiana State exhibit building.

The season was at its height, the iris at their best, and enthusiasm rampant among the 5,347 attending.

The silver medal of the A. I. S. was awarded to Mrs. Walter Colquitt for the highest number of points in the bearded iris section. The bronze medal was awarded to Mrs. L. R. Barrett for a magnificent, 52-inch stalk of SIERRA BLUE. The *Check List* was awarded to Mrs. Milton Trichel for the most points in the beardless section. Mrs. B. W. Marston was sweepstake winner in the non-member section. Mrs. H. C. Efurd received an award for the best stalk in this section, the award being a year's membership in the Shreveport Iris Society.



Two non-competitive exhibits, those of Mr. William Fitzhugh and Mrs. A. C. Dare, added greatly to the beauty of the show. Many of the recent new iris introductions and seedlings were noted in these two exhibits. Mr. Fitzhugh's seedling No. S-12, a grey and lavender blend, received the Highly Commended award.

Mrs. Steve Barrett and Mrs. J. R. Cochran, of Dallas, Tex., judged the specimen, collection and seedling classes, and Mrs. Ross Nelson and Mrs. G. O. Fritz judged the artistic classes.

We wish to extend our heartiest thanks to Mrs. Ralph E. Ricker and to the American Iris Society for their generous cooperation.

MRS. WILLIAM R. MATHEWS, *Exhibition Chairman*



Fort Worth, Tex.

ON APRIL 18, the Fort Worth Garden Club staged its first iris show, held in cooperation with the American Iris Society. It was most interesting, and many splendid blooms were exhibited.



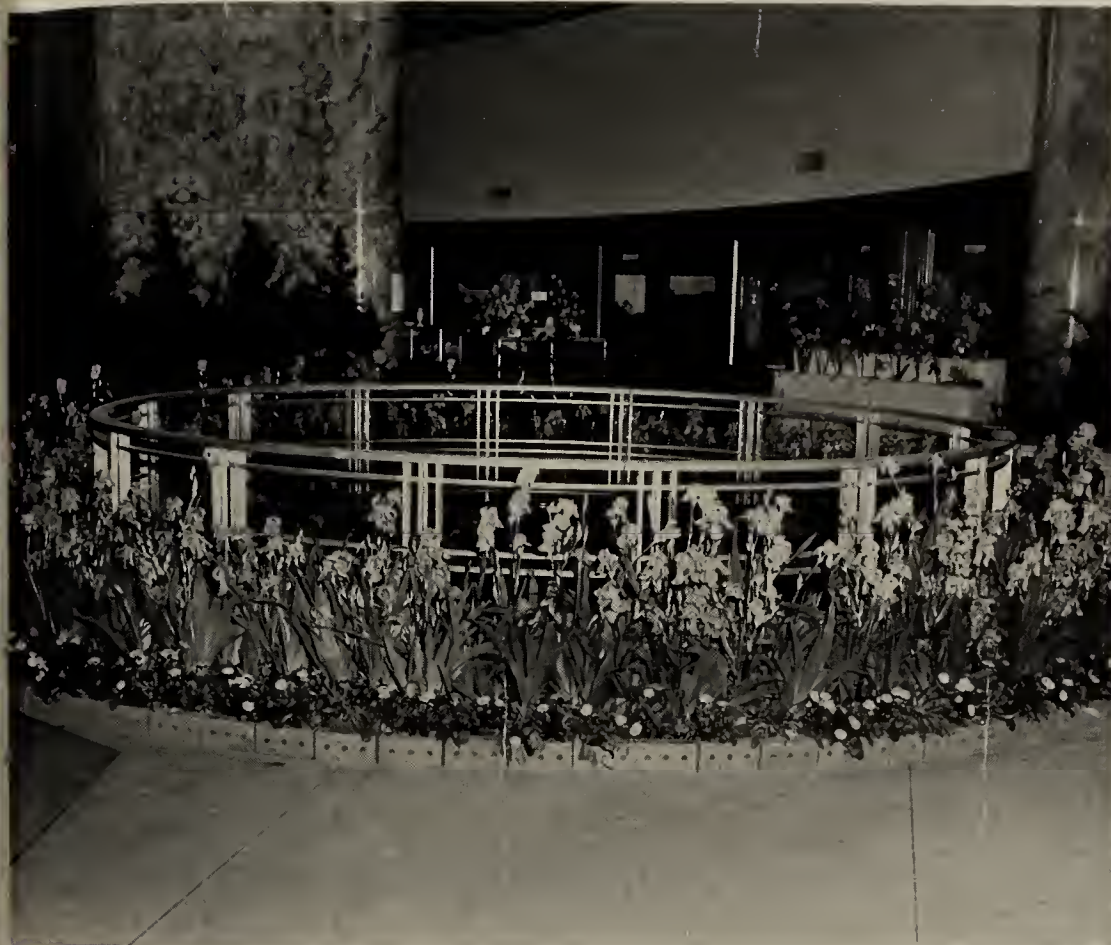
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Mr. William Fitzhugh, Shreveport, La., Mr. Frank Chowning, Little Rock, Ark., and Mrs. Steve Barrett, Dallas, were the judges. The silver medal of the American Iris Society was awarded to Mrs. M. J. Sheridan; the bronze medal to Mrs. W. K. Rose, and the *Check List* to Mr. Roy E. White.

The Fort Worth Garden Club wishes to express its thanks to the American Iris Society for cooperation and is happy to report that during the show we secured two new memberships in the A. I. S.

MRS. W. K. ROSE, *Chairman, Iris Show.*

Citywide Flower Show, Shreveport, La.

THE FIRST annual flower show of the combined garden clubs of Shreveport was staged in the Louisiana State Exhibit Building, on April 19 and 20. The Garden Division of the Woman's Department Club, the Broadmoor Garden Club, and the Queensboro Garden Club made the show possible. These groups are composed of amateur gardeners, and this being the first combined show, no classes were provided for non-members.

The iris exhibits included those of single specimens and of collections of various types, both beardless and bearded, native and Japanese, and artistic arrangements. The iris section, which is always one of the outstanding "sights" of the local flower show, was classified and judged according to the A. I. S. standards, and two medals, a silver and a bronze, were offered by the Society in cooperation. The attendance was good, over 7,000 persons visiting the building during the two afternoons the show was open. The local newspapers were generous with the space allowed the publicity chairman, Mrs. A. H. Weyland, and a particularly good story on the American Iris Society, its standards and policies, was published in *The Shreveport Times*.

Mrs. B. W. Marston won the silver medal for the most points in the show, and Mrs. R. A. Hunter was awarded the bronze medal for the second greatest number of prize points. Mr. and Mrs. Geddes Douglas, of Nashville, Tenn., judged the show.

The landscape effect of the show as a whole was especially good and created an appropriate setting for the floral displays.

The cooperation of the American Iris Society added prestige to the show, and the local committee feels that the display was creditable, adding to the glory of the iris.

MRS. WALTER COLQUITT, *Chairman*

Columbus, Ohio

THE COLUMBUS Iris Society in cooperation with the American Iris Society presented its fourteenth Iris Show on May 24 and 25, in the Columbus Gallery of Fine Arts. The perfect lighting in this beautiful building displayed iris colors at their best.

After a very cold, unpromising spring which prompted many discouraging predictions from our prospective exhibitors, there came a week of heavy

rains and then one of intensely hot weather, with plenty of sunshine, which quickly lengthened iris stalks and brought buds from their enveloping spathes to unfold some of the finest blossoms we have had in several years. The committee felt well repaid for the many anxious moments of planning when entries more than doubled those of our last show. Many guests from surrounding towns were interested note gatherers, and many questions were answered regarding the hardiness, reliability, and sources of the newer varieties as well as many of the fine older ones. Columbus finds that an iris show one year always promises a better showing of newer iris for the next one.

The iris specimens were unusually well grown, and among them were SIEGFRIED, TIFFANY, ORLOFF, SNOWKING, CRYSTAL BEAUTY, MISS CALIFORNIA, CHINA MAID, FAR WEST, MARY GEDDES, MOHESON, WABASH, VIPURII, EXCLUSIVE, GOLDEN TREASURE, SIERRA BLUE, E. B. WILLIAMSON, SHINING WATERS, SIR PERCIVAL, SIR BALDWIN, LADY PARAMOUNT, TREASURE ISLAND, SHAH JEHAN, MEDITERRANNE, SHAWANO, MARCO POLO, CORALIE, and others.

The artistic display classes were unusually fine, showing careful study of arrangement and color harmony in both the bearded and beardless groups.

The seedling class was well filled this year with some very interesting seedlings from local and non-resident amateur hybridizers. We were fortunate in having a group of Mr. Paul Cook's seedlings in this class. The award of Highly Commended was given to Mr. Cook's seedling No. 14639, a very dark velvety blue, of good form and branching and, as it was shown at this time, even darker than SABLE. No. T.P.-25, an apple blossom-pink plicata seedling of Mr. Cook's was also given the award of Highly Commended. Another interesting group of seedlings was shown by Mr. Ralph J. Reynolds, of this city, who has been experimenting with the production of table iris for several years and has succeeded in obtaining several breaks in color and in fragrance.

In the commercial class was a collection of beardless iris shown by Mrs. J. F. Emigholz of Kenwood Iris Gardens, Cincinnati. Too little attention is given to this class of iris; they are easily grown, usually quite free from disease; the foliage is decorative all season; the blossoms are very satisfactory as cut flowers, and the plants do not object to being closely associated in the flower border with other perennials.

An educational exhibit, arranged by Mrs. James H. Arbuckle, displayed a group of iris which are used in the manufacture of cosmetic, perfume, and dentrifices; these were *I. pallida*, *I. florentina*, and *I. germanica major*. Another group of iris which have at various times been listed in the *Materia Medica*s of America and Europe comprised another exhibit; *I. versicolor* in the American drug lists, and *I. pseudacorus*, *I. germanica major*, and *I. tuberosa*, in European drug lists.

The A. I. S. silver medal was awarded to Mr. Robert McCormick for the greatest number of points in the iris classes; the A. I. S. bronze medal was awarded to Mr. E. H. Bretschneider for the second highest number of prize points, and the *Check List* offered by the American Iris Society was awarded to Mr. Robert McCormick for the most artistic display of beardless

iris. Mr. McCormick also won the Louise H. Arbuckle silver cup for the sweepstake award.

The Columbus Iris Society was fortunate in having as judge of iris classes, Mrs. Silas G. Waters, of Cincinnati. Judges for artistic display classes were Prof. G. H. Poesch, of Ohio State University; Mr. Mark Russell, of the Columbus Art School, and Mr. G. Walter Burwell, of the Burwell Nurseries of Columbus.

The Columbus Iris Society wishes to express its sincere appreciation for the cooperation of Mrs. Ralph E. Ricker, National Exhibition Chairman of the American Iris Society.

MRS. FERN ARBUCKLE POWELL, *Manager*

Hollywood, Calif.

THE HOLLYWOOD Garden Club staged a successful iris show on April 19 and 20 in the Community Building in Plummer Park. The building lends itself admirably to a flower show. The garden plots were planted in the patio, the large hall contained the iris entered in competition and also some exhibits from the commercial growers; on a long table under the veranda was a fine display of spurias produced by Eric E. Nies; the flower arrangement classes, which added much beauty and interest to the show, occupied the auditorium and reception room.

Twenty-two blue ribbons, 20 red ribbons, 12 white ribbons, and five green ribbons were awarded to iris exhibitors. Mr. Fred E. Taylor, of Altadena, was awarded the bronze medal of the A. I. S. for the most points. Mrs. F. G. Goes, of Van Nuys, who received the second high rating, was awarded the *Check List* offered by the A. I. S. The Hollywood Garden Club presented an A. I. S. membership as a prize for the best single exhibit. Recommendation for Highly Commended was given a spuria seedling entered in the seedling class by Eric E. Nies. Mrs. Peggy Jackson was given a first special award for her garden plot, and Mrs. David W. Lyons, Resada, was given a second special award in the garden plot competition.

There were in attendance about 1,000 persons. The judges of the iris exhibits were Mrs. Elsie Heimer, Mr. Otto Reiser, and Mrs. Lena Lothrop.

MRS. LENA LOTHROP, *Judge*

Sioux City, Iowa

THE SIXTEENTH annual iris show of the Sioux City Garden Club in cooperation with the American Iris Society was held on May 28 and 29 in the West Hotel. Some very splendid blooms were exhibited, and the show was a success despite the fact that we had an early season and many of the iris had blossomed.

The Sioux City Garden Club trophy was won by Mrs. Charles Whiting, Mapleton, for the most outstanding stalk in the show, which was a perfect spike of GOLDEN FLEECE. Mr. Lawrence Craig, Salix, and Mr. A. J. Amsler, Sioux City, tied for the most prize points in the show; the award was the silver medal of the American Iris Society. Iris RAEJEAN was won by

Mrs. J. E. Dvorak, who received the third highest number of prize points, Dr. J. E. Dvorak, winner of the fourth highest number of prize points, was awarded iris ANNA ELVIA NASH. Mr. Chester Tompkins was awarded the A. I. S. *Check List* for his entry of a basket for public complimentary display purpose, iris predominating. Mrs. Charles Whiting, of Mapleton, Mr. W. S. Snyder and Mr. B. N. Stephenson, of Sioux City, exhibited some very splendid seedlings and many of the newer varieties.

Mrs. H. C. Shrader, Rockwell City, Mrs. Ralph E. Ricker, and Mr. W. S. Snyder, accredited judges of the A. I. S., were the judges.

RALPH E. HEATH, *Chairman*

Western New York Section, A. I. S.

THE WESTERN New York Iris Show was staged this year by the Lockport Gardeners (Club) in cooperation with the American Iris Society and with assistance of members of the Western New York Section of the A. I. S.

We had the dates for June 7 and 8, which is usually the height of the blooming season, but due to drought and early spring we were obliged to advance the dates to May 28 and 29. Several days later would have been ideal, but as that would have placed the show on Memorial Day, it was impossible.

We were gratified to note that the quality of iris brought for entry in our show in this locality has very definitely improved in the last two or three years. As we no longer get many of the small obsolete varieties which used to be in the majority not so long ago, we feel that the gospel of better iris is beginning to have results here.

We had 37 classes covering the complete color ranges in single specimens and three classes of arrangement in which iris predominated. The following named varieties were prize winners in their respective classes: PURISSIMA, CRYSTAL BEAUTY, JOYANCE, SNOW KING, WASATCH, SAN FRANCISCO, TARANTELLA, MME. LOUIS AUREAU, WABASH, EL CAPITAN, SIERRA BLUE, SHINING WATERS, MME. MAURICE LASSAILLY, THE BLACK DOUGLAS, BLACK WINGS, VIOLET CROWN, IMPERIAL BLUSH, DOG ROSE, DIRECTEUR PINELLE, ROSY WINGS, DAUNTLESS, COPPER LUSTRE, BUCKSKIN, MRS. SILAS WATERS SUNDUST, CALIFORNIA GOLD, and HAPPY DAYS.

Mrs. T. J. Gundlach, Buffalo, served as judge of specimen classes, and Mrs. Frank Boeckel, Buffalo, and Mr. Ray House, Lockport, judged the artistic arrangements.

Mr. R. Kazanjieff, Niagara Falls, was awarded the silver medal of the A. I. S. for winning the most first prizes in the specimen classes; Mr. George Wagner of the same city, the bronze medal for winning the most points in these classes, and Dr. H. L. Robson, Pewiston, the A. I. S. *Check List* for the best specimen iris in the show, a magnificent spike of PURISSIMA. The Niagara Falls Garden Club this year placed in competition a beautiful silver cup to be won three times before becoming the property of the winner. This year it was offered for the best yellow in the show and was won by Capt. Charles K. Basset with a wonderful spike of CALIFORNIA GOLD.

I wish to express my sincere appreciation to the American Iris Society, the members of my local committees, and the members of our Western New York Section of the A. I. S. for the assistance and cooperation which made possible a successful show.

MRS. LEO C. SHIPPY, *Chairman*

Chattanooga, Tenn.

THE CHATTANOOGA Iris Society, under the sponsorship of the American Iris Society, held its fourth annual iris exhibition on May 5 at the Art Gallery of the University of Chattanooga. Show officials were highly pleased over the marked increase in show entries and the superior quality of the flowers. Both specimen and collection classes were large, with many new exhibitors. The artistic arrangement classes also attracted new exhibitors, and these sections show that the iris is being recognized for its use as a cut flower, as well as a garden flower.

An additional and interesting feature of the show was a "Liberty Table," done by a local artist, Mrs. John Cooley. Iris predominated in the floral decorations carrying out a patriotic theme.

The seedling section was large, displaying stalks from the hybridizing gardens of Mr. Clint McDade, Mr. Edgar Beck, Mr. B. T. Smotherman of Chattanooga, and Mr. W. F. Cahoon, of Birmingham, Ala.

Edgar Beck was high-point winner, but since he had previously won medals, he waived his right, and Mrs. Anthony Sansone, winner of second place in points, was awarded the silver medal of the A. I. S. Mrs. Norman Thomas, third, was awarded the bronze medal, and Mr. Beck was awarded the A. I. S. *Check List*. Mrs. F. D. Harsh, was fourth, followed by Mr. B. T. Smotherman and Mrs. Collins D. Martin.

Specimen stalks winning first or second in their respective classes were PURISSIMA, SHATA, SAN FRANCISCO, MAID OF ASTALOT, SHINING WATERS, EL CAPITAN, BUECHLEY'S GIANT, MORNING SPLENDOR, THURATUS, BLUE VELVET, EROS, ROSY WINGS, THE RED DOUGLAS, DAUNTLESS, BYZANTINE, PRESIDENT PILKINGTON, COPPER LUSTRE, CALIFORNIA, LUCRETZIA BORI, TIFFANY, FRANK ADAMS, and CONESTOGA.

The quality of our show is a tribute to the courtesies and cooperation extended to us by Mrs. Ralph E. Ricker and the American Iris Society. Mrs. Harsh and I have stressed the fact that our show should be as high in standards as possible because of the work of our friends in the A. I. S.

EDGAR S. BECH, *Chairman*

MRS. F. D. HARSH, *Co-Chairman*

New York City

THE NEW YORK Iris Show of the American Iris Society, held under the auspices of the Horticultural Society of New York on May 23 and 24, resulted in the following awards: Sweepstakes, gold medal of the Horticultural Society of New York, Kenneth D. Smith, with 51 points; silver medal

of the Horticultural Society, F. W. Cassebeer, with 34 points; bronze medal of the Horticultural Society, Elizabeth McKnight, with 13 points; silver medal of the A. I. S. for the outstanding stalk, FLORENTINE, Kenneth D. Smith; bronze medal of the A. I. S. for the second best stalk, YELLOW JEWEL, Kenneth D. Smith. In my report as regional vice-president, I shall go more into detail about the iris winners and the awards in each class, but this year's show was the best-staged one ever held in New York and better and newer varieties were shown than have ever been seen at any show before. The judges were Mrs. Ethel Anson S. Peckham, Mrs. Thomas Nesmith, Willard M. Kellogg, representing the American Iris Society, and George Ferguson and Alexander Michie, representing the Horticultural Society of New York.

Two Highly Commended were given by the three judges representing the A. I. S. with the following accredited judges of the Society: Kenneth D. Smith, Mrs. Ilse Clason Smith, and Mrs. Grace Kellogg. The first Highly Commended was given to a seedling exhibited by F. W. Cassebeer under No. C-27, and the other to Clarence White for NELSON-OF-HILLY, exhibited by F. W. Cassebeer.

KENNETH D. SMITH

Takoma Park, D. C.-Md.

THE TWENTY-FIFTH annual iris show of the Takoma Horticultural Club was held on May 17 and 18 in the auditorium of the Takoma school. Due to weather conditions, the number of entries was not up to normal.

Lt.-Col. G. P. Bush, of Alta Vista, Md., won the most points and was awarded the silver medal of the A. I. S. Mr. Ivan H. Richmond, Silver Springs, Md., was second and was awarded the bronze medal. The A. I. S. *Check List* was awarded to Mr. Wilbur H. Youngman. The silver cup offered by the Takoma Horticultural Club in celebrating its 25 years of iris shows went to Mr. L. F. Schott, Rockville, Md., for winning the most points in the specimen class. Mr. W. T. Simmons displayed a collection of over 100 varieties as a commercial grower. The best specimen bloom was a splendid stalk of SAN FRANCISCO, exhibited by Mr. Richmond; the second best specimen was a stalk of CALIFORNIA GOLD, exhibited by O. E. Sweet; and the third best specimen was a stalk of SHAH JEHAN exhibited by H. J. Clay.

The show committee offered prizes of iris roots to the children of the grade school for iris posters. Forty-nine posters were entered by the children in the fifth and sixth grades, and these made a novel background for the show.

WILBUR H. YOUNGMAN, *Chairman, Iris Show Committee*

New Castle, Ind.

THE IRIS Garden Club of New Castle held its first iris show in cooperation with the American Iris Society on May 24 and 25. We had a very successful exhibit despite a two-day hot, dry wind which preceded the show. The show aroused a great deal of interest as was shown by the many visitors and the many note-books and pencils in evidence.

An old well, surrounded by iris and rocks and complete with a wooden bucket and gourd dipper, attracted much attention. It was exhibited by Mrs. Carl Miles, who won first place in the creative exhibits. A pool and rock garden shown by Mrs. Arthur Clifton was judged the second best creative exhibit.

Some of the specimen stalks winning first or second in their respective classes were WABASH, SAN FRANCISCO, SIERRA BLUE, BLACK WINGS, AUTUMN FROST, MATTERHORN, DOLLY MADISON, FREIDA MOHR, DESTINY, MORNING SPLENDOR, DAUNTLESS, LABOR, LARGO, PERSOA, PINK SATIN, and RAMESES. The best specimen in the show was a very splendid stalk of LARGO exhibited by Mrs. Elmer Kidd. The bronze medal of the A. I. S. was won by Mrs. Kidd for the most points in the show. Mrs. F. Flucawa won second place, receiving the second number of prize points, and Mrs. A. Bledsoe was awarded third place.

We would like to express our thanks to the American Iris Society for its help and cooperation. We are looking forward to a bigger and better exhibit next year.

MRS. ELMER KIDD, *President, Garden Club*
MRS. FRANK FLUCAWA, *Show Chairman*
MRS. DOROTHY CLIFTON, *Co-Chairman*

St. Joseph, Mo.

THE ST. JOSEPH Iris Show in cooperation with the American Iris Society was held in the King Hill Masonic Temple on May 17 and 18.

The silver medal of the A.I.S. was won by Mrs. F. H. Conner for high score of points, the bronze medal was awarded to Mrs. T. J. Woods, who received the second high score, and the A.I.S. *Check List* was awarded to Mr. Harry W. Kurtz for third place. Dr. H. W. Schirmer won the Mid-West Iris Cup for the best bloom in the show. It was a splendid stalk of LEGEND with four perfect blooms open.

The judge was Mr. J. H. Grinter of Independence, Mo.

CARL SCHIRMER, *Chairman*

Duluth, Minn.

THE THIRTEENTH Annual Iris Show of the Duluth Peony and Iris Society in cooperation with the American Iris Society was held in the City Hall on June 19-20.

The silver medal of the A.I.S. was awarded to Mrs. Willis Swanman for the most points in the show. The bronze medal was awarded to Mrs. H. E. Reynolds for the most points in the collection classes. The *Check List* was

given for the best bloom in the show and was awarded to Mrs. Robert Oppel, who exhibited a splendid, well-branched stalk of GLORIOLE. A splendid stalk of HAPPY DAYS was a close second. *The Duluth Herald and News Tribune* silver cup was won by Mrs. F. Arthur Johnson for the best collection in the show.

In spite of the extreme hot weather, the iris displayed were far ahead of previous years as to varieties and condition of bloom. The members have acquired the technique of transporting their blooms in almost perfect condition. The number of new exhibitors was an inspiration to the committee, and we hope for an even larger and better show next year.

Robert Schreiner, of St. Paul, judged the specimen and collection classes, and Mrs. H. A. Elliott, the artistic section.

MRS. ROBERT J. OPPEL, *Chairman*

MRS. J. F. THOMPSON, *Co-Chairman*

Topeka, Kan.

WE HAD our show as scheduled, but, sorry to say, it was mostly a peony show as the best iris were gone; nevertheless, we did have a good display of iris, but none of the outstanding varieties. A stalk of FRIEDA MOHR was selected as the best specimen stalk of the show.

We had so much rain this spring and it turned warm so suddenly that most of the iris were gone by the date of the show, thus no award of the American Iris Society was made.

We wish to express our thanks to the American Iris Society and to Mrs. Ricker for their interest in our show and shall look forward next year for cooperation.

MRS. R. M. COLE, *Show Chairman*

Chicago, Ill.

THE MIDWEST Horticultural Society in cooperation with the American Iris Society held the seventh Annual Chicago Iris Show on May 24, 25, and 26 in Horticultural Hall, Garfield Park Conservatory.

The hall, a natural flower garden, was arranged as a formal garden. The tables of iris extended along each side of this 250-foot hall, banked at the back by tropical shrubs and trees, and on the other side, with a gravel walk. The center was grass with inserts of flower beds which were arranged with iris, to create a naturalistic effect of iris in a garden. At the end of the building was a large rock garden with flowing cascades of water trickling down into pools below. Many were the alpine plants used to make this rockery a perfect background for our flower show.

The exhibits were filled with a wide variety of newer iris. Almost all classes were entered, even to the 25 and 50 class. Enthusiasm ran high among the women in the arrangement class.

I regret that our season necessitated a change in dates, which cost us the loss of four judges, Clint McDade, E. G. Lapham, Mrs. Leila M. Bach, and Dr. A. C. Wilhelm. Those able to serve us were William Blaesing,

August Koch, William F. Christman, Herbert A. Fisher, Ralph Schroeder, and M. Miller of Berwyn. As usual, the judges were honor guests at a luncheon at the Graemere Hotel.

Mrs. William Lapins, of Elmhurst, was awarded the silver medal of the A.I.S. for high score of 90 points. Mr. A. L. Murawska, River Drive Peony Gardens, River Grove, was awarded the bronze medal for high score of 50 points in the commerical class. Mrs. George J. Reiter was awarded the A.I.S. *Check List* in group three (collection). Walter Sir, of Lombard, received the membership in the Midwest Horticultural Society for outstanding display in group three (collection). A magnificent CORALIE, considered the finest flower in the show, was exhibited by Gerald Donahue of Oak Park, Ill., who was awarded PRAIRIE SUNSET by Dr. A. C. Wilhelm. Mr. Donahue also received GOLDEN MAJESTY for second high score. Mr. and Mrs. George Zink, of Chicago, were awarded prizes in several classes. They also staged a very beautiful non-competitive exhibit as an educational feature.

Although a large group of seedlings was exhibited, none was recommended for Highly Commended. New exhibitors are entering the show each year. I trust that the Chicago Iris Show may continue to give a greater and better service. This year we received the recognition of the public with an attendance of 16,155 persons.

We appreciate the kindness of the many iris growers who have made our awards possible, and also the friendly cooperation of the American Iris Society show chairman, Mrs. Ralph E. Ricker.

Mrs. Frank Lambert, founder of the Chicago Iris Show, has been awarded the Robert Dunham Silver Cup by the awards committee of the Midwest Horticultural Society in recognition of her work and for her years of effort as chairman of this show.

MRS. FRANK C. LAMBERT, *Chairman*

Little Rock, Ark.

AFTER I accepted the invitation of the Fort Worth and the Dallas show committees to act as a judge at their show, I gave up the idea of undertaking an official show here, since it would have required my personal attention. I hope that next year we can arrange such a show.

FRANK E. CHOWNING, *Regional (10) Vice-Pres.*

New Haven, Conn.

THE WOODBRIDGE Garden Club regrets that it was impossible to have its iris show last year, but we are making plans for an iris exhibit this year.

MRS. CHARLES I. STEPHENSON

Although request for cooperation was made by Enid, Okla., and although it was listed and did not send notification of withdrawal, no report has been received.

THE AMERICAN
IRIS SOCIETY

AWARD OF MERIT
TO

ORIGINATED BY

PRESIDENT

CHAIRMAN AWARDS COMMITTEE

A reproduction of the new Award of Merit certificate, the first of which will be given in 1942. One-half actual size.

NOTES FROM MIDWEST BREEDERS

■ FOLLOWING ARE notes from Midwest breeders to which Dr. Cook referred in his report on Region 9:

Mr. Hall:

I consider the following the most interesting seedlings that bloomed for the first time this year:

No. 41-01. A very heavily ruffled, large rosy pink with an orchid overtone, 38-inch strong stem, branching fair.

No. 41-23. A pale delicate pink blend, large flowers of good substance on a well-branched stem.

No. 41-28. About the color of GREAT LAKES, in a very large, ruffled, well-formed flower on a tall, well-branched stem.

No. 41-35. Similar to No. 41-28, but is a lighter shade of blue, and No. 41-21 is still lighter, a very pale blue, almost white in some lights.

No. 41-02. Similar to No. 41-41, except the latter is a shade lighter and is my favorite of the two. They are both about 45 inches tall, on strong but high-branched stems. The flowers are a golden russet color, a new color tone and very pleasing. The form and substance are good.

No. 41-45. This flower has excellent form and substance and is well carried on a 40-inch, strong, well-branched stem. The color is a creamy white with amber overtones.

Nos. 41-24 and 41-30. Two outstanding, clean, ruffled whites.

My favorite unintroduced seedlings that bloomed prior to 1941 are:

GOLDEN EAGLE. A giant, clean, satiny finished, medium yellow self, carried on a strong, extra well-branched stem. The plant is unusually vigorous and increases remarkably fast. The flowers look rather fragile for their great size, but stand up quite well under hot sun. This flower is different in texture from others and a top-notcher. H. C. 1941.

TAPESTRY ROSE. The name fittingly describes the color of this flower. The large, well-formed blooms of heavy substance are carried on strong, well-branched, 40-inch stems. H. C., 1941.

SPRING CHIMES. A light golden russet self and a new color in iris. The standards are very tall and held closely together. The falls are between straight-hanging and semi-flaring and fold a little. The form of the falls is not ideal, but the color puts it over. The substance is fair, and it is branched rather high. H. C. 1941.

No. 40-46. A stem of this plant was in bud in Geddes Douglas' garden in Nashville the last day of the Annual Meeting. It opened the following day, and many who had not left Nashville returned, along with other local iris fans, to see it. They turned water from the garden hose on it to see if it would spot and generally gave it "the works." All agreed that the

flower had a new and pleasing color tone — a coppery red. It has good form and substance and is carried on a 38-inch, well-branched stem. H. C. 1941.

No. 40-83. Somewhat like No. 40-46 in color tone, but is suffused with a rosier shade. The falls are flaring, a smooth clean self, and not quite so large as No. 40-46. In my garden, the many visitors were divided almost equally in their choices between the two flowers.

No. 38-24. A very rich, velvety, dark pansy purple, 34 inches tall; form, substance, and branching are good. H. C. 1941.

INNOVATION. A pleasing rose-trimmed plicata, good in every respect; 34 inches tall.

No. 40-33. A real good large medium blue.

No. 40-11. The reddest rimmed plicata I have seen; not large flowered or tall, but it catches the eye.

Outstanding in my garden are my pink blends that I have been breeding for many years. Last year I bloomed about 300 of this line of pinks and numbered eight of the best that vary in color tones, form, size, branching, and season of bloom. All have strong, well-branched stems and large, well-formed flowers of good substance. I plan to introduce a couple of these pinks, but after studying them for two seasons, I am still undecided as to which two are the best and shall probably not make my selection until after the 1942 blooming season.

Mr. Henry Sass and Mr. Jacob Sass:

In 1941 we introduced only two iris—GOLDEN FLEECE (SIEGFRIED x DORÉ) which was introduced in 1940 by the Maple Valley Iris Gardens, and STARLESS NIGHT, which is a blackish red-purple self out of (OSSAR x red seedlings) F₂.

The following seedlings have been named in 1941 and will be introduced in 1942:

ALBA SUPERBA (40-169). A large clear white with flowers well spaced on a 40-inch, well-branched stem. SNOWKING x ((Yellow intermediate x ?) x HAPPY DAYS).

ALEPPO PLAIN (40-219). A large plicata, ground color creamy white with a full half-inch border of red-purple around the fall. (ORLOFF x yellow plicata).

BERTHA GERSDORFF (40-163) S. Yellow slightly flushed pink; F. Yellow heavily flushed purple.

BLUE SHIMMER (40-180). A white plicata heavily marked and dotted blue all over the flower. From two blue seedlings.

FLORA ZENOR (40-318). A seedling from DORÉ x (WAMBLISKA x RAMESES). This was a distinct color break for us. Its pollen parent is unknown. We were plagued with grasshoppers in 1938 when this cross was made, and they ate the paper label off. S. Rosolane pink; F. Rosolane pink flushed Rosolane purple. Conspicuous tangerine beard. Medium-sized flowers on 38-inch, well-branched stems. Color is somewhat similar to Dr. Loomis' "Sea Shell."

LAKE HURON (39-159). A medium-toned blue from SIR TURQUOISE x BLUE MONARCH.

MISS BISHOP (39-155). Pure white with yellow haft and throat. The yellow coloring extends a half inch beyond the tip of the beard. (MAID OF ASTALOT x TIFFANY.)

SUNSET SERENADE (40-309). A blended self of softest golden tan. (GOLDEN AGE x PRAIRIE SUNSET.)

Of the seedlings that bloomed for the first time this spring, the following two seemed to attract the most attention:

No. 41-70 (No. 9-36 x ELSA SASS). A greenish yellow self, a new and different tone of yellow. No. 9-36 is a sister to ELSA SASS. And—

No. 41-55. A blended variegata of large size and tall stem. It is PRAIRIE SUNSET x (SIEGFRIED x DORÉ).

As far as the future goes, I would hesitate to predict what it holds for us from some of the last crosses we have made. One never knows which crosses will give the best results, so much work is done “in the dark.” The blends, variegatas, and plicatas are composed of so many factors that one rarely knows what to expect when they are bred together. For instance, No. 41-70, a greenish yellow, is a second generation seedling from TIFFANY x ORLOFF, as both No. 9-36 and ELSA SASS are from that cross.

(Both from Mendelian theory and from the experience of practical breeders, it is clear that iris which *look* alike often do not *breed* alike. Hence, it is useful to recognize a “phenotype” as including all individuals which look or seem alike, and, in contra-distinction to this, to recognize a “genotype” which includes only such individuals which breed alike, i.e., which produce the same kind of gametes. A single phenotype often includes two or more kinds of genotypes. Thus F₂ dominants though all may *look alike*—be of one phenotype—regularly include both homozygotes and heterozygotes, or wholly distinct genotypes.)

We are looking forward to our first seedlings of FLORA ZENOR and are wondering what they will be like. It should be possible to get large-flowered true pinks from it, and the time should not be too far distant. We are hoping the seedlings from ALBA SUPERBA x FLORA ZENOR will give us white iris with a pink glow. The many seedlings from PRAIRIE SUNSET x FLORA ZENOR may possibly bring us a step closer to true pinks.

Mr. Hans P. Sass:

My first iris crosses were made out of curiosity and with the intention merely to see what would happen, so in 1910 I cross-fertilized HER MAJESTY with MRS. H. DARWIN and received 15 seedlings. All of them bloomed in 1913, and at the time I took notes of the characteristics of each of them. All were rather dwarf, after the parents, but there were some lovely colorings among them. One, a yellowish MRS. DARWIN, another white with pink falls, others of HER MAJESTY coloring but darker, and one with yellow stands out and pink falls. I saved some, but most of them perished later during a bad winter.

In 1918, I had AMAS, CATERINA, and PRINCESS BEATRICE in bloom, and they surprised me with the size of their flowers. I now commenced some systematic breeding by crossing the old-fashioned iris with these giant flowered varieties. At the time we had many bright variegata seedlings, and with these I started out to breed for a large flowered and tall variegata. According to Mendelism, I figured that this could be accomplished within a short span of years, but I encountered difficulties, as many of the seedlings were nearly sterile, or at least would not inbreed, so it took about ten years before I succeeded. Perhaps it could have been done in less time, but much groping in the dark had to be done, as it still, in fact, has to be done in working for certain colors.

As the variegata is responsible for most of the colors in iris, besides blue, it is natural that I received many color breaks and so built up a good foundation stock with which to work toward new colors. I generally breed several different lines for a certain color and later select the best of each line to breed together. This was done, for instance, in my breeding for large variegatas. New colors spring up from such crosses which can hardly be accounted for. Other colors, not bred for, can be expected, although the nature of such colors cannot be predetermined. For instance, in breeding for a large dark yellow recently, I selected a large and tall variegata, a sister of MATULA, and crossed it with a yellow out of PRAIRIE SUNSET. One of the resultant seedlings was a yellow with orange falls. In this case the yellow parent carried factors which modified the color of the falls of the other (variegata) parent.

In late years I have been trying to improve the yellow plicatas as to size, but it seems the yellow color will not unite with a large flower—at least it hasn't yet. I used TIFFANY on a vigorous seedling from RAMESES and received all kinds of plicatas, but none with an improvement in the color direction for which I was hoping. One of them, however, a rose mottled plicata of large size, I named ROSE TOP, and this was introduced by Mr. Schreiner this year.

I registered the following varieties this year:

SNOW VELVET—a large and tall white of very heavy substance out of CLARIBEL x TIFFANY.

MINNIE COLQUITT—a massive white plicata, origin unknown.

ELLA CALLIS—the yellow mentioned above, with orange falls.

Mrs. Whiting:

The following iris comprised our introductions for 1941:

MIRABELLE (3976 MATULA x HAPPY DAYS). A creamy apricot blend with a touch of clear pink on the falls. Large oval flowers of excellent substance. Branching good. 38 inches.

SEA BLUE (3944 MISSOURI x SHINING WATERS). Clear blue self of medium tone. Smooth, clean hafts, good substance and branching. 36 inches.

CEDAR ROSE (39108 MATULA x SUMMER TAN). Rich brown red near self, warm and glowing. Heavy substance flowers, wide and full formed. 36 inches.

GILT EDGE (4011 HAPPY DAYS x MATULA). Clear light yellow self with deeper yellow edging on fall and a smooth, wide haft. Blooms large, wide and full. 40 inches.

ROUGE BOUQUET (39125 MATULA x GARDEN MAGIC). Deep, rich red blend, a medley of many shades from copper to red purple, smoothly blended. Petals wide and of heavy substance. 36 inches.

COPPER FRILLS (3946 GOLDEN LIGHT x LUX). Copper rose self of very ruffled form and medium size. A fresh and lovely garden subject, very prolific and free flowering. 36 inches.

DAINTY BESS (no parentage record). A table iris with small daintily formed flowers of pure, clear, light blue. Thin stems and fine foliage make it very effective in a small garden and for table arrangements.

CEDAR ROSE is perhaps the best one, although MIRABELLE has gained more recognition as it has bloomed in two Eastern gardens while CEDAR ROSE has not yet bloomed outside of our own garden.

We are still working for a good pink iris—who isn't?—and for bluer blues, both in light and dark, and for better reds. Rich blends of peach and apricot tones are highlights in any garden, and these are breaking through in several breeding lines. To get them in still more pure and carrying colors is one of our hopes. Next year should bring some of these in second generation from MATULA, CEDAR ROSE, MIDWEST GEM, FIESTA, GARDEN MAGIC, MIRABELLE, GOLDEN SPIKE, and other reds, yellows, and blends in various combinations. And, who knows, maybe some pinks will break through these blends.

MELLOWGLOW, to be introduced this year, is without much doubt, the finest seedling we have raised. It is No. 4027 from MIDWEST GEM x FIESTA. It brings the rich, warm coloring of FIESTA into smooth creaminess and a large, full petaled flower.

RUBIENT, No. 4061 from VALOR x WINNESHIEK is a rich pansy purple that we feel will be well liked. It has black velvet falls, edged with the same deep, pansy purple of the standards.

Mr. Lapham:

Reds: Of my seedlings directed toward redder-toned iris, only a small percentage bloomed this year, but some of these showed definite progress toward a brighter red; the coming season should show some "blazers." In dark reds, one very fine one showed up, a bit deeper than EDWARD LAPHAM—looked like a real one. I am looking for considerable improvement in iris qualities as a whole other than merely in color.

Pinks: In the future, my breeding efforts will be confined to this class. Had some big things in pinks this season, including one especially fine light pink, but it is not until '43 when I have my crossings with the Loomis seedlings that I expect to have the big pinks really clicking. In the meantime, I am looking forward to getting the color I want in my diploids, as this year there was very definite progress toward my color goal in that class. I can state very definitely just exactly what I am after in pink

color: a pink in iris exactly like the pink of the Walter Faxon peony, or I'll settle for the Phipps pink gladiolus. I do not want deep pink, nor too pale pink—but with me the very palest of pink, like the "Sea Shell" seedlings, is much more to my liking than the deeper shades. I abhor even the approach to magenta tones.

BEARDLESS IN SHREVEPORT

GEDDES DOUGLAS

■ THE BEAUTIFUL city of Shreveport, La., is fast becoming a horticultural center in the development of native American beardless species and hybrids. Many gardens there are growing these iris on an extensive basis. Admirably suited to the climatic and soil conditions of Shreveport, these exotic flowers fill their gardens with grace and beauty.

This writer is familiar with the hybrids of *I. fulva* and *foliosa* produced by the late Mr. T. A. Washington, as they are being successfully grown in many gardens from Tennessee to New England. However, this past year I saw colors and varieties there that were entirely different from the Washington hybrids.

In most of the Shreveport gardens, these beardless iris are grown in depressed beds, and at blooming time these beds are flooded with as much as six inches of water. The plants seem to thrive best in partial shade, growing in rich sandy loam.

In the garden of Mr. W. C. Fitzhugh, we noted several outstanding varieties. Long familiar with *I. fulva* (yellow) as it grows in Tennessee, about 12 inches tall, I was astounded to see it blooming on 40-inch stems with flowers approaching the size of a tall bearded iris. In Mr. Fitzhugh's garden there were 15 variations of yellow *fulva*, and one in particular was of a rich orange-yellow.

Also there were several clumps of GIGANTICAERULEA ALBA which were noteworthy. These clumps varied somewhat in the degree of their whiteness, and there was one which contained much less green in the midrib of the falls than the others. Blooming on stems up to four feet in height, these clumps carried flowers measuring six inches or more between the tips of their flaring falls.

The most unusual and beautiful flower in this garden, however, was a yellow form of *I. giganteaerulea*. Characteristic of the blue form in shape, its color was between a rich cream and gold. The standards and falls are colored alike while a slight greenish rib was noted in the throat.

A rose colored hybrid showing *foliosa* characteristics was the center of attraction at the country garden of Mrs. Milton Trichel. Mrs. Trichel has many beardless iris planted about in a moist woodlot. In her old-fashioned town garden the iris are planted with native wild flowers, such as spring-blooming spider lilies and pink and white spiderwort.

One of the highlights of my visit to Shreveport was a beautiful clump of *giganteaerulea* of an unusual shade of blue which was growing in the pool in Mrs. Sheehee's garden, which is given over almost entirely to the culture of beardless iris.

At the Shreveport Iris Show on April 19, there were outstanding exhibits of beardless iris by Mrs. Milton Trichel, Mrs. B. W. Marston, Mrs. Walter Colquitt, Mrs. R. A. Hunter, and many others. The specimen stalks were exhibited according to type—*fulva*, *foliosa*, *giganteaerulea*. To a person accustomed to tall bearded iris, the color range of these beardless hybrids is amazing. Shell pink, shrimp pink, rose pink, light red, dark red, they are all there.

Let me heartily recommend a visit to Shreveport during the middle of April!



IRIS RATINGS RE-EXAMINED

ELMER A. CLAAR

■ THE RATINGS used by the various floral societies to give comparative values of the various flowers are ordinarily helpful. However, in some instances I have found them misleading. I have found some very highly-rated iris not hardy in my garden, some that were shy bloomers, some that were slow growers, and some that faded too quickly. I have found some very highly-rated peonies that will not bloom for me, some that very seldom bloomed for me, some with weak stems, some that faded quickly in the sun. I believe that if a few fundamentals were considered, these ratings could be made much more helpful.

The American Iris Society, the American Peony Society, and the American Amaryllis Society, the last named of which has a daylily committee, rate iris, peonies, and daylilies with a numerical system. I think the numerical method of evaluation is partially responsible for misleading those who depend on the ratings, and even though it is used by so many important floral societies, I should like to state my objections to this plan.

First: The numerical method of evaluation is an abstract perfection plan in which 100 per cent is a perfect flower, and a certain percentage is allotted for each of a number of characteristics of the flower, for example: 12 per cent for form, 5 per cent for floriferousness, 5 per cent for vigor, etc. I cannot seem to make sense out of this plan. If an iris grows well in California but is not hardy in Illinois, under the above plan it is penalized 5 per cent because it is not hardy; in other words, it could possibly be marked 95 per cent perfect and not be hardy. If it is not hardy in my garden, it is 100 per cent useless to me instead of 95 per cent perfect. *If a flower emphatically lacks any one important characteristic affecting the fundamental purpose for which it is to be used — for example, if it is to be used as a perennial in my garden and lacks either hardiness, vigor, substance, clarity of color, floriferousness, branch balance, or form of flower or proportion — I think it should be rated very, very low.* On the other hand, a flower may be bad in all others but have one outstanding characteristic that makes it a perfect delight to a hybridizer. How much

would a hybridizer give for a pink iris of the color of dianthus or an iris with a color like the tulip "Scarlet Emperor," no matter what else it lacked? The thing that makes a plant impossible or undesirable for *my* garden is to me 100 per cent important. The quality that makes a plant desirable is important to the man who wants it even if it lacks many other things.

Second: Many of the old introductions and some of the new ones are rated well over 90 and some of them very near 100, which would indicate they are nearly perfect. In the first place I can't imagine just what kind of flower a 100 per cent perfect iris, peony, or daylily would be. Will we ever have perfection in a flower? I hope not. Would that not take away a great deal of fun from our hybridizers when they have nothing for which to work? Great progress has been made in iris, but there is much to be done. Many iris, peonies, and daylilies that are rated above 90 today leave much to be desired. I believe there will be a greater improvement in these flowers in the next decade than there has been in the last.

Third: The allotment of percentages for each of the many details of a plant, for example, 12 per cent for "form," 5 per cent for "floriferousness," is purely arbitrary. These percentages have been changed many times; 11 per cent or 15 per cent might just as well be used for "form" or "floriferousness."

Fourth: Another theoretical difficulty with this method of evaluation is that one class of flowers is often much further developed than the flowers in another class, but even then we find the ratings very similar. For example, let us consider color classes. We have had good purple iris for so long that you can now buy some of the best for a trivial sum, and they are rated very high. Examine the yellow, pink, and red iris and you will find that tremendous advances have been made in recent years, but the best red, yellow, and pink ones available today at any price leave much to be desired in color, and most of the best ones are very expensive. The same thing is true of daylilies. In the yellow and orange classes we find large numbers of offerings of very desirable and superior plants grown under conditions similar to those for established plants, so that we can compare them. The pink, red, raspberry, maroon, and rose classes have few members, and there is little chance to make comparisons of established plants grown under similar conditions — but they are so rare that one's enthusiasm over them is boundless.

In rating plants, there are two major points of view among the judges. The first has to do with the judges' standard or idea of perfection of the flower; that is, what is a perfect flower? The second has to do with the reason why the judges and other people are or should be interested in the flower. The judges' standards of perfection change from year to year and from judge to judge because the numerical method of evaluation is not a definite standard or yardstick with which to measure a flower or a plant.

The manner in which the standard of perfection changes from year to year is so well known that I believe it needs no illustrations to prove the point.

The standard of perfection or yardstick of measurement of a plant changes from judge to judge. There are four different views possible and each one is found among our flower society judges.

The first judge is looking for a perfect flower. The flower must have all the best features of all other flowers. There is no such flower. A judge with this view always marks a flower very low.

The second judge is seeking a perfect iris, peony, or daylily. Take the iris; he wants the best features of any and all iris that he knows. Here he wants "the clarity of color of SPUN GOLD, the finish of EARLY MASS, the flower proportion of CHARLOTTE MILLET, the substance of COPPER CRYSTAL, and the stalk and branch balance of STELLA POLARIS." There is no such flower in either iris, peony, or daylily. This judge has a high standard and he, also, always marks a flower low.

The third judge is looking for the best iris, peony, or daylily in existence either in commerce or in the seedling beds of our hybridizers in the various classes, i.e., various blooming seasons, various heights, shapes, color, and price classes. In daylilies his search among yellow and orange would be fairly well satisfied, but, in looking for the new variations in color in the early or intermediate bloomers, he will find them in very few places. If he seeks out the roses, pinks, raspberries, reds, maroons, or purples in any season, there are only a few plants in the world that are available. Most of these are novelties, obviously expensive and not available generally for years. They are very difficult to compare for they are seldom found under similar conditions. For example, Mrs. Nesmith has a deep maroon hemerocallis seedling with large white lines in the middle of each petal and sepal. It is seedling No. 38-345. It is gorgeous. I took a very good color photograph of it so that I

have something to help my memory, but one will not be able to get this plant for years because she has only one plant. I would like to grow it next to Mr. Hayward's EMPEROR JONES, which is the only thing that I can remember with which it might even be compared. Both her plant and EMPEROR JONES are very superior ones, but nowhere in the world will you find them grown under similar conditions as three-year-old plants. The only thing I can do is to compare photographs and try to remember what each looks like one thousand miles apart. This is not at all a satisfactory method of comparing flowers. It's nice to know about the best daylily in each of the various classes, but most of these will be found in the gardens of different hybridizers and will not be available for comparison under similar growing conditions for some time. The same thing is true of iris and peonies. These flowers are rated at present by the iris and peony societies, but I think they should not be.

The fourth judge is concerned with the best plants in commerce, plants that he can grow in his garden, plants in general distribution, plants listed in a commercial catalogue for at least three years so that a number of people know them and can compare them by actually seeing them grown under substantially similar conditions. It might be better to restrict all rating to this kind of plant.

So we see that when the judges try to use this plan there are four different points of view and no standard or staple method of comparison.

As a matter of fact, while it appears that certain judges can be found, each of which uses one of the above four different standards of measurement of abstract perfection, in reality *I do not think the judges use the plan at all*. I have never seen an iris judge with a voting schedule in his hands allotting definite percentages for each detail in a flower. What the judges really do is make comparisons with the existing plants in each class, i.e., a judge compares a white tall bearded iris seedling with the best white tall bearded iris that he knows, for example, MOUNT WASHINGTON, MATTERHORN, WHITE GODDESS, MOUNT CLOUD, STELLA POLARIS, SNOW FLURRY, PATRICIA, or SNOW KING. This is also true of peonies and daylilies. A further definite proof that this plan is not used is furnished by the fact that there is a very little difference between the very best and the worst ratings in recent introductions in iris.

Another matter that has impressed me about the present rating system is that different people may be interested in flowers for

many different reasons, but the numerical plan used by these societies assumes that they are or should be interested for one all-important reason. It appears to me that the American Iris Society, for example, is rating iris as a perennial bed flower and it restricts the rating to a specific type of perennial bed, one where the flowers are grown at their best, in the sun. On the other hand it looks to me as if the American Peony Society bases its rating on the flower as it appears when well grown and well shown in a showroom.

I handed this article to Mr. David Hall to read, and he said that he agreed with me about some of these ideas, but the present plan, while not 100 per cent successful, is the best we have had in use, and he said, "Why not try to offer something better?" I therefore wish to submit a plan which I think would be better.

First — I would not rate a flower until it had been in commerce at least three years, or long enough so that it could be found growing typically in a number of different gardens. I have done this with daylilies in my private poll, but it has not been adopted by the Society.

Second — I would not publish a rating as that of a national flower society until the flower received a certain minimum number of rating votes, ten, or certainly not less than five. I have so limited the ratings with daylilies, but it has not been adopted by the Society.

Third — I would have the Society copyright its rating and insist, if the rating were used, that the year the rating was given be published. Too often an iris, peony, or daylily which has been superseded or outclassed will be described in some catalogs with a very old rating. If there is a subsequent higher or lower rating, this should be used.

Fourth — I would get back to some elementary fundamentals for the rating of plants. The most general reason why people are interested in plants is, I suppose, that they want to grow the flowers because they have some use for them. They must, therefore, be hardy. If California iris grow well in California, there is no reason for their not being rated high in that region. If certain California iris do not live in Illinois, there is no reason for their being rated high there. The American Iris Society and the American Peony Society should first create geographic districts so that the flowers can be rated high where they are grown well and rated low

where they will not grow well, or at all. This has been started with the daylily and adopted by our Society.

Fifth — Why assume that all people are interested in these flowers for the same reason or reasons when this is not true? *To rate is to compare, with the objective of satisfying some given purpose for the person who is making the comparison.* What are the most obvious reasons why people are interested in iris, peonies, and day-lilies? Is it not better to set out the most obvious reasons why people are interested in these flowers and help them acquire what they want by rating the flowers within these given classes?

Some of the most obvious reasons why people are interested in iris, peonies, and daylilies are as follows:

1. One person may want the flowers for hybridizing purposes. Let our judges tell us some of the flowers that are best for this purpose. Color in any flower is very important. In iris, SEA SHELL is a lovely pink and good for hybridizing, but evidently it has nothing else. The Sass brothers have a red flower which is used a great deal by the hybridizers for its color, even though it has nothing else but color. Certain flowers are good for branching and floriferousness. Sterility would be a consideration in this group. Set out the qualities which would interest a hybridizer, then rate the flowers. Let's help these people by rating flowers with this purpose in mind.

2. Another individual wants the flower for naturalizing. He wants something that will have a vivid coloring at a distance, will grow without care, and something that he can secure at a low cost because he wants it in quantities. Let's help this person by rating flowers with this purpose in mind.

3. Another individual wants the flowers so he can sell them to make a living. He may want to sell the flowers, the roots, or the seeds. He wants something that is surely hardy. He wants something that is a dependable bloomer, something with a lot of blooms, something that will stand up and will keep a long time, in the fields, bouquet or cold storage room. He wants something to sell reasonably so he can find a market. I understand the peony "Edulis Superba," which was so uninteresting in my garden that I took it out, is tops as a cut flower because it blooms very early. Let's help this person by rating flowers with this purpose in mind.

4. An individual may be interested in flowers for bouquets and

arrangements. He has a special point of interest. Let's help this person by rating flowers with this purpose in mind.

5. An individual may want flowers for the showroom or for exhibition purposes, to win prizes with them. To do this you must know, grow, and show. Showing involves a real technique. For example, in a peony show I saw a lady lose first prize because her delphinium was disbudded. If you are going to exhibit flowers for show purposes, you must learn the technique. Which flowers are best for shows, how should we prepare them and show them? Let's help these people.

6. Some people are interested in daylilies to use them as food. Which are the best daylilies for this purpose?

7. Some individuals want these flowers for their perennial beds. One person wants them for specimen plants, and another as part of a garden picture. As part of a garden picture one is interested in:

- a. The time of bloom — early, medium, or late, everblooming, etc.
- b. The color — I suggest dividing iris and daylilies into:
 1. Monochromes (selfs or one-color flowers)
 2. Bi-colors (two colors)
 3. Polychromes (three or four colors)
 4. Blends (combination of any two or more colors — yellow need not be a part)
- c. The height:
 1. Dwarf
 2. Medium
 3. Tall
- d. The price:
 1. One person wants the best flower in its class irrespective of price.
 2. Another person wants a good flower but modest in price.

I would first classify the plants for each given purpose and then indicate which is first, second, and perhaps third best in each given class and forget the percentages.*

If you must stick to the percentage method of rating, a flower should have several ratings. For example, the peony "Philipp Rivoire" in my perennial garden is a very shy bloomer. Therefore

I will rate it 7 as a perennial plant as I grow it; I'll rate it 8 as I have seen it grown by Mr. Christman in his nursery. If you have enough plants to secure a fine bloom and cut one, prepare it properly, and show it well, it will very likely win a prize for you in the showroom. Therefore for this purpose I will rate the prize-winning bloom 9.2. It is a rare and expensive plant, so a commercial grower who wants to raise the flower and sell the flowers will not make any money with it. Therefore, for the purpose of florists selling the flower, I will rate it 2 at the present time. From the point of view of naturalizing, it is expensive and rare, and its rating for this purpose is very low. From the point of view of selling its roots, it is highly advertised and the price has been kept staple, so the roots must be in great demand for a commercial grower. Here it gets a high rating.

Isn't it rather obvious that from the point of view of uses of the flower, many different ratings are necessary? It might be said that it would cause too much work to get these various ratings together. If the present ratings are sometimes misleading, it isn't too much to ask the judges to adopt a plan in which none of the ratings are misleading and all of the ratings would be more helpful.

Note: *The classification of flowers according to some particular quality or character — for example, color — has been done by a number of individuals. Junius Fishburn, treasurer of the American Iris Society, a man who has perhaps the largest collection of bearded iris of anyone and who has traveled as far as 10,000 miles in one year inspecting iris, discusses iris in the April, 1939, BULLETIN of the American Iris Society. He discusses them from three points of view: (1) geographical, (2) varietal notes listed alphabetically, and (3) discussions by color groups, using the color groups that Robert Schreiner uses in his catalogue. Under color groups he picks out the best in each given class. This is one of the most helpful articles on bearded iris that I have ever read. I believe he improved on this good work this year when he subdivided his color groups into novelties which are obviously expensive and inexpensive but good iris. In that article Mr. Fishburn says, "The most useful commercial catalogue is that of Robert Schreiner's and its added usefulness comes primarily from the fact that he lists iris both alphabetically and by color groups."

Robert Schreiner's catalogue has always been a favorite with me. It does not set out the American Iris Society ratings. He first divides it into a group of iris distinguished by their *date of bloom*, such as the early bloomers or dwarfs, the intermediates, the bearded iris, and the fall bloomers. The bearded iris are divided into three groups: 1 — his new introductions for the current year; 2 — the general list of iris, and 3 — the standard list of inexpensive varieties. He also has a list of table iris. In the second part of his catalogue, the iris are grouped according to color classes with complete data about each variety, i.e., height, price, performance, season of bloom, hybridizer, and year of introduction. He lists, as on trial, the more recent introductions which he has not seen in bloom in his garden. I believe his color classes could be improved and simplified.

Another feature of his catalogue is that he selects the 100 best iris. This list has always received my most careful consideration. I usually grow nearly all of them. He again excludes the iris on trial from this list. I believe this list would be better if it were divided into two groups; novelties and inexpensive varieties.

Kenneth Smith compiled an unofficial list of the 50 best iris as selected by a select list of judges in the various regions of the United States. These iris cost over \$500 or an average of \$10 each. This fact would somewhat limit its usefulness. However, he also classified these selections according to color. It would have been much more useful if he had taken a poll on the best novelties and a poll on the best inexpensive varieties in various classes.

David Hall compiled a very helpful list of iris a few years back based on color classes by having the American Iris Society members in his region vote on the favorite iris in each color class. He then compiled the votes for each iris.

SOLICIT COLORED SLIDES

■ THE RESPONSE to the Colored Slide Contest conducted during the year 1941 was somewhat disappointing. Some fine slides were entered in the contest and the pictures of the varieties which received awards were published in BULLETIN No. 83. However, not nearly so many slides as had been anticipated were submitted in the contest.

The directors of the Society have decided to withdraw the prize contest in 1942 and have authorized the chairman of the slide committee, Mrs. P. E. Corey, to purchase slides of varieties that are needed to keep our collection up to date. Mrs. Corey will solicit hybridizers and dealers for slides which she has been authorized to purchase at a stated price, and those who are not solicited but who have duplicates of extra fine varieties, are requested to write Mrs. Corey at No. 7 Cliff Street, Winchester, Mass.

OUR MEMBERS WRITE

On Eating of Iris by Field Mice

■ THE ARTICLE by Mr. Jesse Wills in BULLETIN 83 on damage by field mice to iris rhizomes suggests that some further comment on this trouble of the iris grower might be of interest, particularly as it can be sent from a different part of the continent and differs in certain respects from Mr. Wills' observations. Winter damage by mice and moles to bearded iris was mentioned also by Mr. L. T. Chadwick in an article on iris growing in Manitoba (A. I. S. BULLETIN 39, page 25).

It may be pointed out that field mice undergo periodic cycles of abundance, the peak years being usually about four years apart, although sometimes only three. The writer's experience as an iris fancier extends over three of these successive peaks, and at each of them his garden has suffered more or less severely from damage by the rodents in question, bearded iris rhizomes having been quite extensively eaten in each case as well as flowering shrubs being girdled, etc.

The damage has always occurred entirely in winter and early spring, when the mice work under the snow, in which they make extensive systems of tunnels close to the surface of the ground. Once the tunnel networks spread widely over the lawn and involved the destruction of the surface of the sod. They stopped abruptly along the line where the snow had been beaten hard by occasional walking up and down the garden, and for that reason a practice has since been made of tramping round the principal beds after each heavy snowfall.

So far as is known, moles are not present, bulbs have not been destroyed, and no openings to underground passages such as the mice use in Mr. Wills' garden have been detected. Although mice are seen from time to time in summer, no iris injury traceable to them have been noticed then or at any time after the snow is all gone.

In the first outbreak experienced by the writer, the mice ate away the under parts of many rhizomes, particularly where the latter had been given a light protective covering of litter. Since then, however, it would appear that most of the injury has occurred when

the ground was frozen hard and hence it has been the budding ends and the tops that have been eaten away. Usually this has occurred only when cover has been provided, but when the mice were at their peak they have also attacked unprotected iris in open beds under the snow.

Some of the more tender iris can be grown successfully in the Toronto region only by giving them considerable winter protection, and best results with such varieties as PURISSIMA have been procured by setting up temporary cold frames within which are spread leaves or excelsior. Here the mice flourish with warm dry bedding and a well-filled larder. The only method of keeping them out which has succeeded is to surround each frame with small-meshed wire netting sunk a couple of inches into the ground.

Poisoned bait has been put out at the beginning of winter for the last three years, but damage has not been eliminated. The garden (an ordinary deep city lot) backs upon an uncultivated ravine, which provides a source for the dissemination of mice, rabbits, ground hogs, and skunks. Last spring a surprise was received when the snow melted, and it was found that the only injury by mice was on the street side of the house, nearly 400 feet from the ravine, where most of the ornamental shrubs had been practically completely girdled.

It would be interesting to know whether some of the chemical substances advertised for keeping animals off young trees could be safely and effectively applied to iris rhizomes, though in a large plantation it might be impracticable to use them.

The species of mice involved is a matter of some interest. The writer has trapped both the common meadow mouse, *Microtus pennsylvanicus*, and the deer mouse, *Peromyscus leucopus*, in the snow tunnels. *Microtus* was certainly responsible for much of the damage in the cold frames, but *Peromyscus* may probably also have been guilty.

It may be added that upon two occasions *Microtus* has given trouble by feeding and nesting in clumps of Siberian iris in later spring. Also, if the edibility for mammals of iris vegetation is in question, one spring a rabbit (or ground hog?) took a fancy to one of the few clumps of Japanese iris and ate off the young leaves repeatedly as they grew up on this particular clump.

E. HORNE CRAIGIE.

Toronto, Can.

The Lady Comments

■ THE OCTOBER BULLETIN 83 came to our desk today. It was greeted like a long-lost friend. After giving it the "once-over," we felt that our editor had no cause to apologize for its thin appearance, as it only *appeared* to be thin—it really is so full of good things, the kinds of things that iris fans lap up and like.

Our good friend Bonnie Bentley really "has something there" when she speaks of the thrills one experiences in collecting old iris, but then, she would—she doesn't live in the Pocket of Indiana for nothing. Last season we started off on a collecting spree, our quest being for all the old *amoenas* we could run down. Our procedure was, first, hunting up iris catalogues and BULLETINS of 'way-back-when. After getting a line on these old-timers, we proceeded to try to run them down. You have no idea how elusive those old boys are (unless, of course, you, too, have tried to find them). However, I think that with the help of this one and that one, I now have a pretty fair collection of the *amoenas*, excepting, of course, VIIPURI. Many of these I have never seen in bloom, so I am looking forward to seeing them as much as I am to some of the newer things in my garden.

In winter time, I supplement collecting old and forgotten iris with collecting old and forgotten cookie recipes, which is an equally fascinating pastime. Old country cookies are hard to run down. After years of searching, I found, to my delight, the old peppernut one, which, as you know, is about the oldest known Christmas cookie coming down to us from the eleventh century.

Perhaps you think the above is out of place in iris comments, but one must eat, mustn't one?

After reading year after year in the BULLETIN about various iris enthusiasts and their gardens and activities, how nice it is to have their pictures appear on the pages; then one feels that they are real persons and not just "names to read about." One can understand the person who had seen our name in the BULLETIN, and as he was traveling throughout beautiful little valley, looked us up, "to see if there really was such a person"!

The illustration of VIOLET SYMPHONY breaks down all my resistance. VIOLET SYMPHONY is definitely a "must have." I am getting rather fed up on so many "best yellows." Now I know this will start an argument, but all the yellows are good for is to bring

out other colors. One or two good varieties should do the work. But the soft creamy ones are something else again—and how I love them!

The cause of rhizome rot is the never-ending mystery. I wonder why we just don't say it is caused by any number of things. We have very little rot here. In our own garden the wire-worms cause some, and the only other rot that has appeared has been in those huge California rhizomes. They must be watched, as they do not seem to like our climate, at least at first.

And "Amen" to Howard Weed's suggestion that iris be made the national flower—more power to him!

In the "Comments on Varieties," I noted those on BROWN BOY. If you have not grown this iris, don't let any more grass grow under your feet until you have acquired it. Whether it is not as good as SONNY BOY or whether it is a better RADIANT is a question of personal taste. It looks good enough to eat in its peachy brown tones — and if you go in for flower arrangement, don't overlook it. Many times this iris season I have heard the comment, "Oh, I can just see that iris in a bronze container, in front of blue drapes." As a collector of names, I immediately made a note of "Blue Drapes" for a future seedling. Names — good ones — are getting to be quite a problem.

In bringing these comments to a close, I wish that our BULLETINS of the coming year will bring us that much-talked-of and longed-for article on yellow plicatas; also what about a word from our former editor, B. Y. Morrison? Has he forgotten us?

Each year the question is not, Can I afford the BULLETIN this year, but can I afford to be without it? This year, more than all others, we need the things that will keep us sane and normal. The iris BULLETIN will do this for us. Let's keep up our membership!

MARY F. THARP.

Payette, Idaho.



COMMERCIAL DIRECTORY

All of the dealers listed below are members of The American Iris Society. If you are buying Iris for your garden, it should be your particular pleasure to make your purchases from the dealers who have worked with and supported your Society. Your officers and directors invite your particular attention to this list. They also ask a favor. When you order, tell the dealer you saw his name in the BULLETIN and do him a favor by not asking for a catalog unless you mean business.

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BULLETIN
OF THE
AMERICAN IRIS SOCIETY

APRIL, 1942

No. 85

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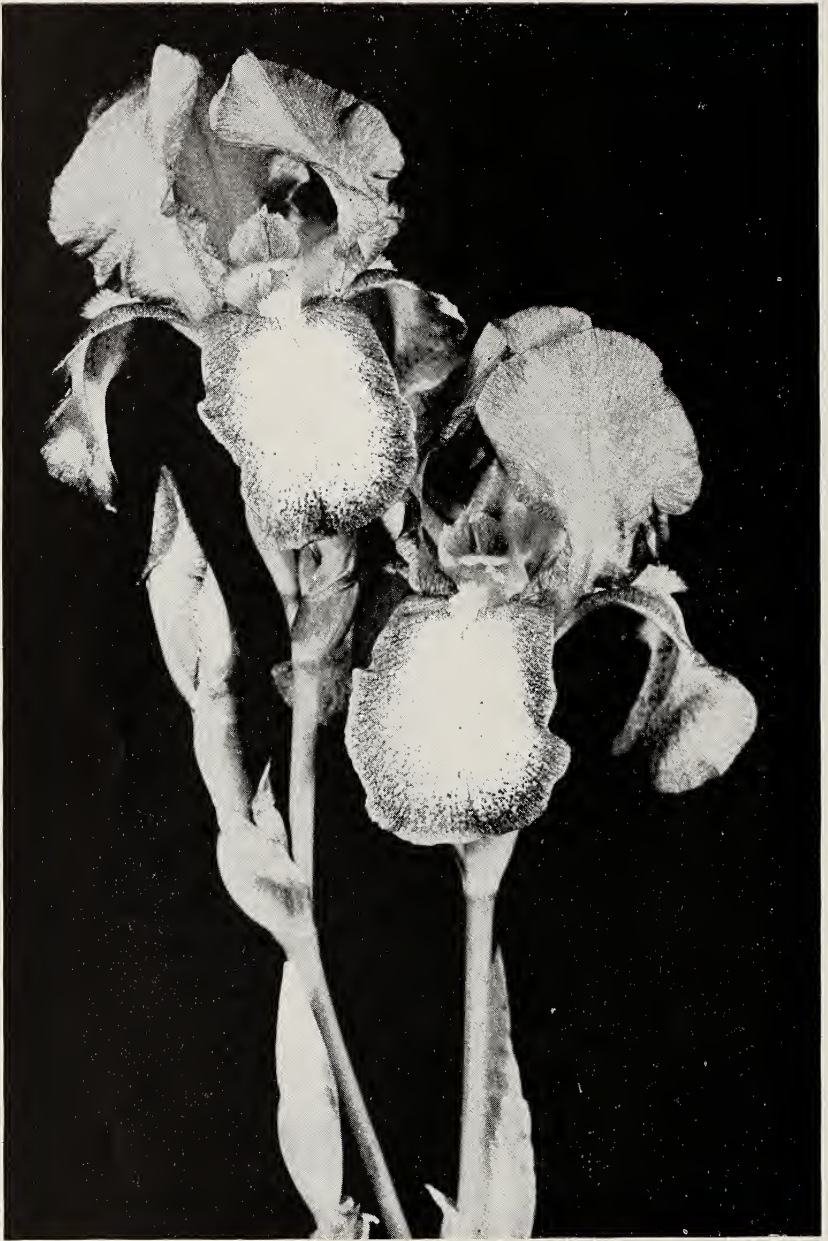
■ THIS NUMBER features another of Mr. Smith's interesting Unofficial Symposiums in which 78 of the accredited judges have participated. For the third successive year the variety WABASH heads the list, which is a fine compliment for this grand iris. While the popularity of WABASH is unquestioned, we do have to recognize that it has in some measure been helped in again attaining first rank by the fact that it still has no real competitor in the amoena class. It was only natural for the great majority of the judges to include WABASH among their 50 favorite iris though they would not necessarily have listed it among the first 10 in point of preference, nor, perhaps, even among their first 25 best. In some instances other equally deserving varieties in keenly contested color classes undoubtedly have had to share votes with their competitors and consequently rank lower in the symposium. This, to our mind, is the only serious fault of the Unofficial Symposium which otherwise seems such a thoroughly worthwhile annual feature.

We highly recommend reading John Dolman's significant article entitled "Too Many Good Iris?" David Hall has contributed a fine story on Hans P. Sass and his breeding of iris and other flowers, and in this connection Geddes Douglas has sent us family tree charts on three of Mr. Sass' best known iris—PRAIRIE SUNSET, RUTH POLLOCK, and ELSA SASS. We would like to learn from our readers as to whether they would be interested in having more of these inheritance charts of Award of Merit iris printed in the BULLETIN.

Of interest to many of our readers is the list of 1941 introductions which has been submitted by Mrs. Peckham. Likewise, in this issue is the A.I.S. membership list, which includes its biennial appearance in the BULLETIN. For the sake of economy it has this time been listed alphabetically only, the usual geographical compilation having been omitted.

In his comments on proposed changes in the policy of awards, Jesse Wills has included a plea for more and better varietal comments. He has done this partially in our behalf, and we would like to add our own appeal to members that they not forget to jot down a few notes about new iris that they particularly like or dislike, and why. Judging from correspondence that has come to the Editor, more members enjoy intelligent varietal comments than any other feature of iris activity appearing in the BULLETIN.

F. W. CASSEBEER, *Editor*



Courtesy of Schreiner's Iris Gardens

*Ruth Pollock, one of the highest ranking of the so-called
yellow plicatas.*

UNOFFICIAL IRIS SYMPOSIUM, 1942

KENNETH D. SMITH

■ HERE is the third unofficial Symposium, that "popularity contest" so called by one of the accredited judges. It continues to represent a yearly standing to show how the various iris have progressed or fallen backward in comparison with their competitors. Naturally, the Symposium is of little value unless a substantial number of judges cooperate; here 78 of the 230 judges sent in ballots, five more than were represented in last year's Symposium. These judges voted for the best 50 tall bearded introduced iris, and the result forms a Symposium of 101 iris, all of which received ten or more votes. Last year's requirement that an iris, to be eligible, should have received an H.M. or A.M. was done away with because it made iris such as LOS ANGELES or SAN FRANCISCO ineligible. Both of these have made the Symposium this year.

Of course there will be criticism of this or any Symposium. The one that occurs to me is that because the judges did not send in their proper ratio of ballots from each region, the ranking of the iris might be changed. Be that as it may, I believe the list of the 101 iris would be substantially the same; the iris listed are all outstanding and truly represent a consensus of the judges. This list should be of value, not only to the beginner starting a worthwhile collection, but also to the advanced amateur replacing older varieties of iris in his garden.

As was done last year, the tabulation, besides showing the total number of votes received, also shows the votes received from each region. This should prove of interest both to regional members and to others who may wonder just where the votes came from.

The ranking of each iris in the 1941 Symposium is also shown because, as Dr. Franklin Cook states, many members are interested in knowing "to what extent various varieties have moved up (and down) in preference."

UNOFFICIAL SYMPOSIUM, 1942

VARIETIES IN ORDER OF VOTES RECEIVED		Votes Received (78 Judges)	Region 1 13 Votes (27)	Region 2 6 Votes (19)	Region 3 3 Votes (11)
1.	WABASH '36* (1) -----	61	12	3	2
2.	CITY OF LINCOLN '37 (4) -----	56	7	5	1
	GREAT LAKES '38 (9) -----	56	13	5	1
	THE RED DOUGLAS '37 (5) -----	56	6	3	3
5.	PRAIRIE SUNSET '39 (16) -----	54	6	3	2
6.	AMIGO '34 (2) -----	53	10	4	--
	CHINA MAID '36 (3) -----	53	6	3	1
8.	GOLDEN TREASURE '36 (5) -----	52	7	2	1
9.	SABLE '38 (7) -----	51	7	5	2
10.	FAIR ELAINE '38 (11) -----	50	8	2	2
11.	SPUN GOLD '40 (68) -----	48	9	2	1
12.	ELSA SASS '39 (38) -----	44	2	3	2
	GOLDEN FLEECE '40 (43) -----	44	3	4	2
	SHINING WATERS '33 (18) -----	44	5	2	2
15.	GOLDEN MAJESTY '38 (13) -----	43	9	5	2
16.	CHRISTABEL '36 (13) -----	42	8	3	--
	DEEP VELVET '39 (—) -----	42	7	4	1
	JUNALUSKA '34 (9) -----	42	4	2	2
19.	E. B. WILLIAMSON '37 (12) -----	41	6	2	--
20.	ANGELUS '37 (13) -----	40	5	3	2
21.	MOUNT WASHINGTON '37 (20) -----	39	4	2	1
22.	LIGHTHOUSE '36 (23) -----	37	9	2	1
	OLD PARCHMENT '39 (45) -----	37	7	3	1
24.	NARANJA '35 (8) -----	36	4	2	3
	SNOW FLURRY '39 (39) -----	36	6	1	--
26.	MELITZA '40 (95) -----	35	10	4	1
	MIDWEST GEM '37 (25) -----	35	3	2	1
	RED GLEAM '39 (31) -----	35	4	2	--
	RUTH POLLOCK '39 (37) -----	35	3	1	2
30.	FRANK ADAMS '37 (28) -----	34	11	1	2
	GLORIOLE '33 (20) -----	34	10	3	1
	RADIANT '36 (34) -----	34	6	1	--
	YELLOW JEWEL '39 (50) -----	34	7	4	1

*Figure in parenthesis denotes ranking in 1941 Symposium.

Region 4 5 Votes (16)	Region 5 1 Vote (15)	Region 6 10 Votes (18)	Region 7 5 Votes (20)	Region 8 1 Vote (4)	Region 9 16 Votes (42)	Region 10 4 Votes (15)	Region 12 1 Vote (6)	Region 13 5 Votes (13)	Region 14 5 Votes (7)	Region 15 3 Votes (16)
4	1	10	3	1	14	3	1	3	3	1
4	1	10	--	1	13	3	1	5	5	--
4	--	10	5	1	11	1	--	3	2	--
4	1	9	2	1	14	3	1	4	4	1
4	1	6	3	1	15	3	1	5	4	--
4	1	10	3	1	12	1	--	3	4	--
2	1	9	2	1	14	2	--	5	4	3
3	1	10	3	1	13	3	1	4	3	--
4	--	10	3	1	11	2	1	4	1	--
5	1	5	5	1	13	--	1	3	4	--
3	1	6	3	1	15	1	--	4	2	--
1	1	8	3	--	13	3	--	5	3	--
5	1	5	1	--	15	3	--	4	1	--
3	1	9	4	1	6	2	1	--	5	3
3	1	4	4	1	8	1	--	--	5	--
2	1	8	5	1	7	1	1	3	1	1
4	1	3	3	--	10	--	--	4	5	--
3	--	8	4	1	10	1	1	2	4	--
2	--	8	1	1	10	3	1	4	3	--
2	--	6	4	1	12	1	1	3	--	--
5	1	7	4	1	7	--	--	2	5	--
2	--	4	3	1	7	1	1	3	3	--
2	1	4	3	--	9	1	--	3	3	--
1	--	8	--	--	8	4	1	3	1	1
3	1	4	3	--	8	--	--	3	5	2
3	1	3	5	--	6	--	--	1	1	--
--	1	5	--	1	11	3	--	5	3	--
4	1	6	2	1	9	--	--	5	1	--
4	1	4	1	--	11	3	--	2	3	--
3	1	5	--	--	7	--	--	1	3	--
3	1	8	--	1	5	1	--	1	--	--
1	--	4	5	1	5	3	1	5	2	--
4	1	3	5	--	6	--	--	1	1	1

UNOFFICIAL SYMPOSIUM, 1942 (Continued)

VARIETIES IN ORDER OF VOTES RECEIVED		Votes Received (78 Judges)	Region 1 13 Votes (27)	Region 2 6 Votes (19)	Region 3 3 Votes (11)
34.	AUBANEL '35* (47)	33	8	3	1
35.	MATTERHORN '38 (18)	32	6	1	1
	MING YELLOW '38 (45)	32	6	1	1
	MISSOURI '33 (23)	32	2	2	2
38.	BALMUNG '39 (50)	31	3	1	1
	GOLDEN SPIKE '40 (55)	31	5	5	2
	LOUVOIS '36 (39)	31	9	2	1
41.	ROSY WINGS '35 (28)	30	9	1	1
42.	LOS ANGELES '27 (—)	29	2	2	3
43.	CALIFORNIA GOLD '33 (17)	28	3	2	2
	MOROCCO ROSE '37 (34)	28	2	1	1
45.	MATULA '39 (42)	27	2	2	1
46.	RED VALOR '39 (77)	26	3	3	—
	SIERRA BLUE '32 (25)	26	2	1	1
48.	BRUNHILDE '34 (52)	25	4	—	1
	CAROLINE BURR '40 (81)	25	8	3	—
	DUBROVNIK '38 (64)	25	6	3	1
51.	GOLDEN HIND '34 (39)	23	—	1	—
	SNOW KING '35 (32)	23	4	—	2
53.	COPPER LUSTRE '34 (22)	22	3	3	—
	GARDEN MAGIC '36 (25)	22	1	1	1
	HAPPY DAYS '34 (64)	22	1	1	1
	SHAH JEHAN '32 (34)	22	3	2	1
57.	STARDOM '41 (55)	21	5	1	—
	STELLA POLARIS '39 (74)	21	5	2	1
	TIFFANY '38 (47)	21	1	—	1
	WEST POINT '39 (72)	21	5	2	1
61.	ARCTIC '40 (—)	20	3	3	—
	EXCLUSIVE '37 (33)	20	2	1	1
	STORM KING '40 (—)	20	3	3	—
64.	FLORENTINE '37 (77)	19	5	3	—
	WHITE GODDESS '36 (53)	19	5	—	1
66.	CHEERIO '34 (28)	18	1	2	1
	JEAN CAYEUX '31 (64)	18	3	2	2

*Figure in parenthesis denotes ranking in 1941 Symposium.

Region 4 5 Votes (16)	Region 5 1 Vote (15)	Region 6 10 Votes (18)	Region 7 5 Votes (20)	Region 8 1 Vote (4)	Region 9 16 Votes (42)	Region 10 4 Votes (15)	Region 12 1 Vote (6)	Region 13 5 Votes (13)	Region 14 5 Votes (7)	Region 15 3 Votes (16)
4	--	4	5	1	4	--	--	2	1	--
1	--	8	--	--	9	--	--	5	1	--
1	--	7	--	--	10	1	--	3	2	--
2	--	6	1	1	8	1	1	1	4	1
2	--	4	2	1	11	2	--	3	1	--
4	1	3	1	--	6	1	1	1	1	--
5	--	2	2	1	5	--	1	2	1	--
1	--	7	--	--	4	4	--	2	1	--
3	--	8	1	--	6	--	1	--	1	2
--	--	5	1	--	5	3	1	2	3	1
--	--	8	3	1	4	2	1	3	2	--
--	--	3	4	1	8	1	--	--	4	1
3	1	3	3	1	5	--	--	2	2	--
3	--	5	1	--	3	1	1	2	3	3
--	--	2	2	--	5	1	1	4	5	--
4	1	2	1	--	4	--	--	1	1	--
--	1	3	3	--	6	--	--	2	--	--
--	--	6	--	--	10	4	--	2	--	--
--	--	7	--	1	6	--	--	2	1	--
1	--	3	2	1	2	--	1	3	2	1
--	--	3	1	1	6	1	1	4	2	--
--	--	1	2	--	6	1	1	2	3	3
1	--	7	--	--	4	3	--	--	--	1
1	--	2	3	--	8	1	--	--	--	--
3	1	--	2	--	5	1	--	--	1	--
--	--	4	2	--	5	4	1	1	2	--
2	--	1	--	--	6	--	--	2	2	--
2	1	2	1	--	5	--	--	2	1	--
1	--	3	3	1	6	1	--	--	1	--
3	1	--	1	1	5	--	--	2	1	--
3	--	1	2	--	2	--	--	2	1	--
3	--	1	3	--	5	--	--	--	1	--
2	--	2	1	--	4	3	1	--	1	--
1	--	3	--	--	2	1	--	2	1	1

UNOFFICIAL SYMPOSIUM, 1942 (*Continued*)

VARIETIES IN ORDER OF VOTES RECEIVED		Votes Received (78 Judges)	Region 1 13 Votes (27)	Region 2 6 Votes (19)	Region 3 3 Votes (11)
	LANCASTER '40* (—)	18	4	1	—
	MARQUITA '31 (43)	18	2	2	1
	MARY E. NICHOLS '39 (64)	18	2	2	—
71.	VIOLET SYMPHONY '40 (—)	17	3	4	1
72.	EASTER MORN '31 (55)	16	1	3	2
	GUDRUN '30 (68)	16	1	2	2
	MME. LOUIS AUREAU '34 (81)	16	2	3	—
	MOUNT CLOUD '36 (68)	16	4	1	—
76.	BROWN THRASHER '41 (74)	15	3	2	—
	OZONE '35 (53)	15	—	1	2
	SONNY BOY '39 (60)	15	1	3	1
79.	DAMERINE '39 (—)	14	6	2	1
	PERSIA '29 (68)	14	1	—	2
81.	MAY DAY '39 (47)	13	2	—	—
	MISS CALIFORNIA '37 (81)	13	1	1	1
	SIEGFRIED '36 (55)	13	—	1	2
	TREASURE ISLAND '37 (95)	13	1	—	—
85.	ALINE '34 (—)	12	4	1	—
	DEPUTÉ NOMBLOT '29 (81)	12	2	—	1
87.	BLUE SPIRE '38 (60)	11	4	1	—
	SAN FRANCISCO '27 (—)	11	—	1	2
	STAINED GLASS '39 (95)	11	3	2	—
	WAVERLY '36 (90)	11	2	3	—
91.	BLUE DIAMOND '38 (—)	10	1	2	—
	CAPTAIN WELLS '41 (—)	10	2	—	—
	FRIEDA MOHR '26 (—)	10	—	1	1
	GLEN ELLEN '39 (90)	10	1	1	3
	ICY BLUE '40 (—)	10	1	2	—
	MME MAURICE LASSAILLY '35 (—)	10	1	3	—
	ORLOFF '38 (90)	10	1	—	1
	RAMESES '29 (77)	10	—	1	2
	ROYAL COACH '39 (60)	10	1	—	1
	THE ADMIRAL '41 (—)	10	—	—	—
	THE BISHOP '37 (90)	10	3	—	—

*Figure in parenthesis denotes ranking in 1941 Symposium.

Region 4 5 Votes (16)	Region 5 1 Vote (15)	Region 6 10 Votes (18)	Region 7 5 Votes (20)	Region 8 1 Vote (4)	Region 9 16 Votes (42)	Region 10 4 Votes (15)	Region 12 1 Vote (6)	Region 13 5 Votes (13)	Region 14 5 Votes (7)	Region 15 3 Votes (16)
-	-	7	-	-	2	1	-	3	-	-
-	-	3	-	-	3	2	1	2	2	-
3	-	2	-	1	7	-	-	1	-	-
2	1	-	-	-	4	-	-	1	1	-
1	-	3	1	-	-	2	-	-	1	2
-	-	2	2	-	3	2	1	1	-	-
1	-	2	2	-	2	-	-	1	3	-
-	-	3	3	-	-	1	-	1	1	2
-	-	3	1	-	3	1	-	2	-	-
-	-	2	-	-	8	-	-	2	-	-
3	-	2	-	-	3	2	-	-	-	-
1	-	1	2	-	1	-	-	-	-	-
1	-	1	-	-	4	2	-	-	2	1
-	-	1	-	1	7	-	-	2	-	-
-	-	1	-	-	1	2	1	2	3	-
-	-	4	-	-	3	1	-	2	-	-
-	-	5	-	-	4	-	1	1	1	-
1	1	1	-	-	4	-	-	-	-	-
1	-	1	-	-	4	1	-	-	1	1
1	-	-	-	-	2	-	-	-	1	2
-	-	-	-	-	1	-	1	-	3	3
-	-	3	-	-	3	-	-	-	-	-
2	-	1	1	-	1	-	-	-	1	-
1	-	1	1	1	2	-	-	1	-	-
2	-	4	-	-	2	-	-	-	-	-
-	-	4	-	-	-	-	-	-	3	1
-	-	-	1	-	3	-	-	-	1	-
1	1	-	-	-	1	-	-	3	1	-
1	-	-	4	-	1	-	-	-	-	-
-	-	2	-	-	3	-	1	2	-	-
-	-	3	-	-	2	1	1	-	-	-
1	-	2	-	-	2	2	-	-	1	-
2	1	-	-	-	7	-	-	-	-	-
1	-	-	4	-	2	-	-	-	-	-

WABASH continues to rank first for the third year in succession. This is no doubt due to the fact it has no competitor in its own color class. Of last year's first ten NARANJA (8) has dropped back to 24, and JUNALUSKA (9) now places 16.

Thirteen from last year's Symposium of 99 iris failed to make the grade. They are:

JASMANIA (55)	CLARIBEL (81)
MOONGLO (60)	MONADNOCK (81)
GARDEN FLAME (72)	AZTEC COPPER (88)
VALOR (74)	SEDUCTION (88)
VIOLET CROWN (77)	THE GUARDSMAN (90)
CHOSEN (81)	COPPER CRYSTAL (95)

PALE MOONLIGHT (95)

In their places in this Symposium of 101 iris are the following:

DEEP VELVET (16)	ALINE (85)
LOS ANGELES (42)	SAN FRANCISCO (87)
ARCTIC (61)	BLUE DIAMOND (91)
STORM KING (61)	CAPTAIN WELLS (91)
LANCASTER (66)	ICY BLUE (91)
VIOLET SYMPHONY (71)	FRIEDA MOHR (91)
DAMERINE (79)	MME. MAURICE LASSAILLY (91)

THE ADMIRAL (91)

The most sensational gain of any iris in this Symposium was recorded by DEEP VELVET, an ineligible iris in 1941, but which now stands 16. MELITZA, ranking 95 last year, skips 69 places to rank 26, while SPUN GOLD gains 57 places to rank 11.

The judge calling the Symposium "a popularity contest" also writes, "I still wish you would hold a Symposium where the judges rated the iris in their own gardens, not in commercial gardens or catalogues." This would be feasible if the judges voted for ten or 12 iris; it would be impossible if they voted for fifty iris, because in this case it would become a Symposium of obsolete varieties. I believe most of the judges realize they have neither the money to spend nor the space necessary to plant all the newest introductions. It therefore remains for iris fanciers (and they may be counted on the fingers of one hand) to have the complete collection. They are usually exceptional judges because they have lived with all the iris and have watched each one perform in competition with one another. But the Society has 230 judges and few iris fanciers. It does not



Kenneth Smith in the act of hybridizing one of his favorite introductions, the lovely cream-white iris Caroline Burr.

follow that the judge who cannot have all the new varieties should cease to perform his duties because he cannot see them blooming for days at a time. Instead, I believe the judges should make a special effort to visit other gardens where newer originations are growing. All of us realize that in the flower line iris hybridizers are progressing by leaps and bounds: it therefore follows that if we do not see some of these new novelties, we have no standards by which to measure. One of our greatest hybridizers wrote me, "I have had no opportunity for three years to see new iris other than locally and feel I am therefore not qualified to vote in this Symposium." Dr. R. J. Graves produced several sensational whites this past year; he thereupon bought all the outstanding whites so he would have them growing in his garden for comparison with his own. I can well recommend Dr. Graves' idea to all hybridizers; it benefits not only the hybridizers, but also the judges visiting that particular garden.

I was asked by one of our directors to impress upon all members that new varieties because of their scarcity and lack of distribution

would not rank very high in any Symposium. This is true in the average Symposium, but this year I was fortunate in receiving ballots from ten of the 1941 members of the board of directors (Prof. Essig and Dr. Everett not voting). All of these directors, with one exception, visited Nashville, and all but two visited Roanoke, so they were able to see all the newest introductions with the exception of a few Southern California originations that were not in bloom. This directors' symposium is radically different from the popular Symposium because these members had seen nearly all the iris that had been introduced to date.

DIRECTORS' SYMPOSIUM

10 OUT OF 12 DIRECTORS VOTING

1.	10 Votes	OLD PARCHMENT '39	(22)
	10 "	SABLE '38	(9)
3.	9 Votes	DEEP VELVET '39	(16)
	9 "	GOLDEN FLEECE '40	(12)
	9 "	GREAT LAKES '38	(2)
	9 "	WABASH '36	(1)
7.	8 Votes	CITY OF LINCOLN '37	(2)
	8 "	GOLDEN TREASURE '36	(8)
	8 "	MELITZA '40	(26)
	8 "	RED VALOR '39	(46)
	8 "	STARDOM '41	(57)
	8 "	YELLOW JEWEL '39	(30)
13.	7 Votes	AMIGO '34	(6)
	7 "	ANGELUS '37	(20)
	7 "	AUBANEL '35	(34)
	7 "	CAROLINE BURR '40	(48)
	7 "	DUBROVNIK '38	(48)
	7 "	ELSA SASS '39	(12)
	7 "	FAIR ELAINE '38	(10)
	7 "	GOLDEN SPIKE '40	(38)
	7 "	PRAIRIE SUNSET '39	(5)
22.	6 Votes	ARCTIC '40	(61)
	6 "	CHINA MAID '36	(6)
	6 "	FLORENTINE '37	(64)
	6 "	LOUVOIS '36	(38)
	6 "	MATTERHORN '38	(35)
	6 "	RED GLEAM '39	(26)
	6 "	RUTH POLLOCK '39	(26)
	6 "	SPUN GOLD '40	(11)
30.	5 Votes	BALMUNG '39	(38)
	5 "	CHRISTABEL '36	(16)
	5 "	E. B. WILLIAMSON '37	(19)
	5 "	GOLDEN MAJESTY '38	(15)
	5 "	LIGHTHOUSE '36	(22)

30.	5	Votes	MOUNT WASHINGTON '37	(21)
	5	"	SHINING WATERS '33	(12)
	5	"	THE RED DOUGLAS '37	(2)
	5	"	STORM KING '40	(61)
39.	4	Votes	FRANK ADAMS '37	(30)
	4	"	GLEN ELLEN '39	(91)
	4	"	GLORIOLE '33	(30)
	4	"	JUNALUSKA '34	(16)
	4	"	LANCASTER '40	(66)
	4	"	LOS ANGELES '27	(42)
	4	"	MING YELLOW '38	(35)
	4	"	MISSOURI '33	(35)
	4	"	SNOW FLURRY '39	(24)
	4	"	SONNY BOY '39	(76)
	4	"	STELLA POLARIS '39	(57)
	4	"	VIOLET SYMPHONY '40	(71)

In this Symposium 46 per cent of the iris are introductions of 1941, 1940, and 1939, while in the popular Symposium only 30 per cent are introductions of those years. However, good older varieties are still recognized for LOS ANGELES, a 1927 introduction, makes the grade. That is a decided compliment in these days with so much rapid advancement, especially in the plicata class.



Kenneth D. Smith

A portion of Kenneth Smith's iris garden on Staten Island.

Other than tall bearded iris have been long neglected, and this year I asked all judges to vote for ten other than tall bearded iris to form an additional Symposium. Few people realize that an iris garden is not complete without other types, but somehow most of us can think in terms of height and tall bearded sorts. Other kinds of iris are a decided necessity if we want a complete iris garden and a long season of bloom. Only 60 of the 78 judges sent in ballots for this Symposium and several wrote "not interested."

SYMPOSIUM

Of Other Than Tall Bearded Iris

(60 Returns From 78 Judges)

HYBRIDS—TALL BEARDED

42 Votes	ORMOHR	16 Votes	GRACE MOHR
20 "	MOHRSON	14 "	WILLIAM MOHR

HYBRIDS—ONCOBREDS

19 Votes	SOME LOVE	17 Votes	NELSON OF HILLY
		13 Votes	OYEZ

SPURIA

16 Votes	SUNNY DAY
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SIBERIAN

13 Votes	CAESAR'S BROTHER	8 Votes	HELEN ASTOR
13 "	GATINEAU	5 "	MOUNTAIN LAKE
11 "	SNOWCREST	5 "	TYCOON

SPECIES

5 Votes	TECTORUM
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HYBRID—BEARDLESS

12 Votes	DOROTHEA K. WILLIAMSON
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INTERMEDIATES

8 Votes	GOLDEN BOW	7 Votes	ELEANOR ROOSEVELT
		5 Votes	CRYSORO

DWARFS

6 Votes	SNOWMAIDEN	6 Votes	SOUND MONEY
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Favorites by Color Classes

On the basis of the popular Symposium, the favorite iris in each color classification, listed in order of preference, are as follows:

White

MOUNT WASHINGTON, SNOW FLURRY, MATTERHORN, CAROLINE BURR, SNOW KING, STELLA POLARIS, WHITE GODDESS, EASTER MORN, GUDRUN, MOUNT CLOUD.

White with Yellow Markings

GOLDEN TREASURE, FAIR ELAINE, ELSA SASS, GOLDEN FLEECE, ARTIC, MARY E. NICHOLLS.

Bright Yellow

SPUN GOLD, GOLDEN MAJESTY, YELLOW JEWEL, MING YELLOW, GOLDEN SPIKE, CALIFORNIA GOLD, GOLDEN HIND, HAPPY DAYS, TREASURE ISLAND.

Orange, Tan, and Brown

NARANJA, RADIANT, COPPER LUSTRE, BROWN THRASHER, SONNY BOY, STAINED GLASS.

Bronze and Maroon

LOUVOIS, MATULA, DEPUTÉ NOMBLLOT, CAPTAIN WELLS.

Red and Red Effect

THE RED DOUGLAS, CHRISTABEL, JUNALUSKA, E. B. WILLIAMSON, RED GLEAM, RED VALOR, GARDEN MAGIC, CHEERIO, DAMERINE.

Pink and Pink Effect

CHINA MAID, ANGELUS, LIGHTHOUSE, AUBANEL, ROSY WINGS, MOROCCO ROSE, LANCASTER, STARDOM, MISS CALIFORNIA, FRIEDA MOHR.

Light Blue and Lavender

GREAT LAKES, SHINING WATERS, GLORIOLE, EXCLUSIVE, ALINE, BLUE SPIRE, BLUE DIAMOND, ICY BLUE, THE ADMIRAL.

Medium Blue and Light Violet

MISSOURI, SIERRA BLUE, VIOLET SYMPHONY, WAVERLY.

Purple.

SABLE, DEEP VELVET, BRUNHILDE, WEST POINT, STORM KING, THE BISHOP.

Blue Plicata

LOS ANGELES, FLORENTINE, MME. LOUIS AUREAU, SAN FRANCISCO.

Yellow and Brown Plicata

RUTH POLLOCK, BALMUNG, TIFFANY, SIEGFRIED, ORLOFF, ROYAL COACH.

Amoena

WABASH

Neglecta

AMIGO, SHAH JEHAN, MME. MAURICE LASSAILLY.

Variegata

CITY OF LINCOLN, FRANK ADAMS, MARQUITA.

Blends

PRAIRIE SUNSET, OLD PARCHMENT, MELITZA, MIDWEST GEM, DUBROVNIK, JEAN CAYEUX, OZONE, MAY DAY, GLEN ELLEN, PERSIA, RAMESES.



David F. Hall

Donald Milliken and his father, Carl S. Milliken, examining the shoulder-high blooms in their gardens.

1942 POLICY OF AWARDS AND RATINGS

1. The following regulations cancel all previous regulations in reference to ratings and awards.

2. The Board of Directors shall appoint accredited judges in various parts of the country.

3. The Board of Directors is given full power to grant the awards of the American Iris Society and award the Dykes Medal, subject to the conditions set forth in the following regulations:

4. *Highly Commended*

The Board of Directors shall give Highly Commended to varieties *not introduced at the time of judging* which receive five or more recommendations from accredited judges subject to the regulations in paragraph 19a below. Judges shall not make more than ten recommendations for the award of Highly Commended.

5. *Honorable Mention*

The Board of Directors shall give Honorable Mention to registered varieties *introduced at the time of judging or in course of introduction* which receive seven or more recommendations from Accredited Judges in the case of tall bearded iris, or five or more recommendations in the case of iris other than tall bearded, subject to the regulations in paragraph 19b below. Judges shall not recommend more than 14 tall bearded iris for the Honorable Mention award.

6. *Award of Merit*

The Board of Directors may give not more than ten (unless ties occur) Awards of Merit yearly to American iris, of which not more than eight may be tall bearded iris. No more than two Awards of Merit may be given yearly to American iris other than tall bearded. However, if two or more eligible iris are tied in number of votes for last place, all the iris so tied shall be given the award of Merit. Judges should not make more than eight recommendations for the Award to tall bearded iris, and not more than two to iris other than tall bearded, subject to the regulations in paragraph 19c below. Preference will be given to iris seen in widely scattered gardens and, at the discretion of the Board of Directors, the Award may be withheld from a variety which all or most of the judges saw in the same garden.

7. *Dykes Memorial Medal*

The Iris Society of England has offered the American Iris Society the Dykes Memorial Medal yearly. This is the highest award that can be given to a new iris. Upon the recommendation of ten or more accredited judges and subject to the regulations in paragraph 19d below, the Committee on Awards may award this medal yearly subject to the confirmation of the Board of Directors. The Medal should go to an iris widely distributed and judged in widely scattered sections.

8. All of the above refers to iris originated in the United States and Canada. In addition, the Board of Directors may give not more than five Awards of Merit yearly to iris of foreign origin. Such awards shall be given only upon the recommendation of at least seven accredited judges and subject to the regulation in paragraph 19e below.

Duties of Committee on Awards

9. The Committee on Awards shall study each year the system of ratings and awards and make its recommendations of general policy to the Board of Directors.

10. The Committee on Awards shall submit yearly to the Board of Directors a list of accredited judges for the various districts.

11. The Committee on Awards may recommend the appointment by the Directors of a Tabulator or a Chairman of a Sub-committee on Tabulation, whose duties will be to tabulate the judges' reports received up to and including July 6 and shall furnish complete tabulated information to the Committee on Awards as soon as possible thereafter.

12. The Committee on Awards shall receive and study carefully the reports of the Sub-committee on Tabulation and on the basis of this study, shall make its recommendations to the Board of Directors. After approval by the Board of Directors the Committee shall prepare an official list of Awards, a copy of which is to be furnished to members of the Society either by direct mail or by inclusion in a BULLETIN.

Instructions for Accredited Judges

13. Judges are requested to send ratings, recommendations, and reports to the Tabulator on or before July 6.

14. Judges are requested to rate new iris which have not yet received a permanent rating, particularly those varieties listed as eligible for a permanent rating on the back of the rating ballot and other varieties introduced in the years 1939, 1940 and 1941, or to be introduced in 1942. Judges may rate registered seedlings or seedlings which will be named and registered unless the breeder requests that no rating be made on the variety. Judges are asked not to turn in ratings on plants which plainly are poorly grown or are not fully established. A list of new iris which have already received a permanent rating in 1940 and 1941 is published on the rating ballot.

15. Iris in gardens are to be rated under the numerical system using the point score system listed below as a basis in arriving at the total. The judge's ballot will provide only for the total rating. That is, if an iris is rated 86 on the basis of the point score system listed below, the accredited judge will insert the total rating of 86 instead of itemizing the individual points of flower, stalk, and plant as to color, vigor, etc.

16. No rating of a tall bearded or intermediate variety will be published unless it has been voted on by at least five judges. No rating of Siberian, species, hybrids and dwarf iris will be published unless it has been voted on by at least three judges. It will be the policy of the Board to keep confidential all reports of the judges. An individual judge, however, may use his own discretion about giving out his own ratings.

17. Providing the variety voted on has received 10 or more ratings in a previous year, 20 or more judges' ratings for a variety in one year will be considered a permanent rating which will be subject to change only by a symposium rating.

18. Judges are requested to send to the editor descriptive comments on all outstanding varieties. The comments will be published in the BULLETIN over their signature (or without signature if requested).

19. Judges are requested to make recommendations for awards as follows (Paragraphs a, b, c, and d apply only to iris originating in America) :

- (a) *Highly Commended.* Highly Commended is the award of the American Iris Society for promising varieties not introduced at the time of judging. Judges may make recommendations at their discretion on seedlings either seen growing in a garden or judged by specimen stalks at exhibitions or elsewhere. A judge should consider his recommendation for Highly Commended as equivalent to recommending the variety as worthy of introduction. Five or more recommendations from accredited judges are required for an iris to receive this award whether the variety is tall bearded, intermediate, dwarf, hybrid, or species.
- (b) *Honorable Mention.* Recommendations for Honorable Mention may be made for iris already introduced at the time of judging, or that will be introduced on or before June 15, 1942. Judges may make recommendations in the following classes: tall bearded, intermediates, dwarf, fall blooming, Siberian iris, various iris species, and hybrids. Seven or more recommendations from accredited judges will be necessary before a tall bearded iris may receive Honorable Mention, and five or more recommendations will be necessary for iris other than tall bearded.

- (c) *Award of Merit.* Recommendations for Award of Merit shall be made only to iris registered officially which have received an Honorable Mention award and which were introduced during the five-year period beginning with 1936 and ending with 1940. The Award of Merit is to be considered as a national rather than a local or regional award, indicating that the iris was outstanding in widely separate regions. No tall bearded iris may receive the Award of Merit unless it has been recommended by ten or more accredited judges, and no iris other than the tall bearded may receive it unless it has been recommended by seven or more accredited judges. A list of the varieties eligible for the Award of Merit in 1942 is printed on the award ballot.
- (d) *The Dykes Medal.* Recommendations for the Dykes Medal shall be made only to iris registered officially which have received an Honorable Mention award, and which have been in commerce four years. In 1942 this four-year period shall be considered to cover iris introduced in 1938.

Under American Iris Society rules the introduction date for varieties introduced in America is based on the year an iris is offered for general sale in a catalogue, list, advertisement or advertisement in A.I.S. BULLETINS. Sales in a garden or by letter without advertising in the BULLETINS or elsewhere do not constitute an introduction. The same rules apply to foreign varieties except that confirmation of uncertain dates will be accepted from the Royal Horticultural Society, the Iris Society (England) and the Société Nationale d'Horticulture de France, together with a letter from the originator and introducer. (Varieties should not be listed in a catalogue or advertised unless they are for sale as confusion in introduction date may result in loss of eligibility for the Dykes Medal.)

- (e) *Award of Merit for Foreign Iris*—Judges may also recommend Award of Merit for any foreign variety introduced during the past seven years. In 1942 this would mean introduction of and since 1935. (Under these rules Canadian varieties are considered as American and not foreign.)

20. Scale of Points:

The following scale of points shall be used for
Judging Iris in Gardens

THE FLOWER	60 Points
Color and Texture	30
Color	25
Texture	5
Form and Fragrance	15
Form	12
Fragrance	3
Substance	15

THE STALK	25 Points
Branch balance	9
Strength	8
Number of buds.....	8
THE PLANT	15 Points
Foliage	5
Vigor and Hardiness	5
Floriferousness	5
Total	100

The following scale of points shall be used for

Judging Seedlings at Exhibitions

THE FLOWER	50 Points
Color	15
Form	10
Substance and Texture	10
Size according to Variety.....	10
Fragrance	5
THE STALK	25 Points
Poise and Grace according to section.....	10
Number of Blooms and Buds according to section....	5
Height according to section.....	5
Branching according to section.....	5
QUALITY, CONDITION	25 Points
Quality	15
Condition	10
Total	100

IRIS ELIGIBLE FOR DYKES MEDAL

■ The following list of varieties introduced in 1938 have received Honorable Mention awards and are eligible for the Dykes Award under rules covered by Paragraph 19d.

ALLUMEUSE, BLUE SPIRE, CAFE AU LAIT, CHAMPAGNE GLOW, COPPER CRYSTAL, CORONET, DUBROVNIK, FAIR ELAINE, GOLDEN MAJESTY, GREAT LAKES, HELEN ASTOR, JANET BUTLER, MATTERHORN, MING YELLOW, MISSOURI NIGHT, OYEZ, SABLE, SNOW BELLE, SOME LOVE, SPRING PROM, TIFFANY.

In case any variety introduced in 1938 that has received an H.M. award has inadvertently been omitted from the above list, it also is eligible to be voted on for the Dykes Medal.

IRIS ELIGIBLE FOR AWARD OF MERIT

■ The following varieties have received Honorable Mention Awards and are eligible for the Award of Merit under rules covered by Paragraph 19c.

ALLUMEUSE, ANITRA, ARCTIC, ARETHUSA, ATTYE EUGENIA, AZTEC COPPER, BALMUNG, BLUE SPIRE, BONNIE LASS, BRONZINO, CAFE AU LAIT, CAROLINE BURR, CASQUE D'OR, CATHEDRAL DOME, CHAMPAGNE GLOW, CLARIBEL, COPPER CRYSTAL, COPPER PIECE, CORONET, COSTETTE, DAMERINE, DEEP VELVET, DESERET, DUBROVNIK, DYMLA, ETHELYN KLEITZ, FAIRY LUSTRE, FAR WEST, FIESTA, GALLANT LEADER, GARDEN MAGIC, GLEN ELLEN, GOLDEN BEAR, GOLDEN FLEECE, GOLDEN SPIKE, GOOD CHEER, HELEN ASTOR, ICY BLUE, JANET BUTLER, KEEPSAKE, LANCASTER, LORD DONGAN, MANCHU PRINCE, MARCO POLO, MARY E. NICHOLLS, MATULA, MAY DAY, MAYLING SOONG, MELITZA, MICHELANGELO, MIDWEST GEM, MISS CALIFORNIA, MISSOURI NIGHT, MONADNOCK, MONOMOY, MOROCCO ROSE, MOUNTAIN SNOW, MRS. SILAS WATERS, NOEL, ORLOFF, PATRICIA, PESHAWAR, PINK RUFFLES, RADIANT, RED BONNET, RED COMET, RED VALOR, ROCKWOOD, ROYAL COACH, SALAR, SELERNO, SHAWANO, SMOLDER, SNOW BELLE, SONG OF GOLD, SONNY BOY, SPRING PROM, SPUN GOLD, STAINED GLASS, STELLA POLARIS, STORM KING, SUNDANCE, SUNDUST, TAMPA, THE BISHOP, THE DARB, THE GUARDSMAN, THELMA JEAN, TIFFANY, TREASURE ISLAND, TRIPTYCH, VIOLET SYMPHONY, WAVERLY, WEST POINT, WHITE GODDESS, WHITE PRINCE.

If any varieties have been omitted from this list that have received H.M.'s and were in commerce in 1936 to 1940 inclusive, they are eligible for an Award of Merit.

COMMENTS ON THE POLICY OF AWARDS FOR 1942 AND 1943

■ THERE HAS been very little change in this year's Policy of Awards as compared with that of last year. The accredited judges will find only one space on the award ballot wherein to vote for the Dykes Medal because the directors decided to eliminate the second choice vote. The iris which comes in second in the tabulation for the Dykes will be printed as runner-up.

There is a slight change in paragraph 17 of the Policy of Awards, which deals with permanent ratings. Last year, introduction was a requirement for a permanent rating. This has been eliminated for 1942, but, instead, an iris will have had to be rated by at least ten judges in a previous year before it is eligible for a permanent rating. The effect of this is that the *first* published rating of an iris cannot be the permanent rating, no matter how many judges participate in it.

Changes in the Dykes Award for 1943

At the last directors' meeting in December, a considerable change in the eligibility standards for the Dykes Medal was decided on, to become effective in 1943, but to be announced ahead of time in 1942. This change has been under discussion and study for more than a year. It revolves around two ideas: (1) that an eligible iris should have more than one chance at the Dykes Medal, (2) that an iris should receive an Award of Merit before becoming eligible for the Dykes. For the past several years our rule has been that the iris eligible for the Dykes in any year shall consist of those which have received an Honorable Mention award and which have been in commerce four years. This means that all the eligible iris must have been introduced in the same year four seasons back. Under this system, there are some years when a choice must be made between quite a number of outstanding iris, and other years when the list is not so strong.

While no official wording has been approved as yet, the provision in the 1943 rules relating to the Dykes Medal will probably read somewhat like the following:

"Recommendations for the Dykes Medal for 1943 shall be made only to iris registered officially which have received an Award of Merit during the three-year period beginning with 1940 and ending with 1942."

This would mean that the eligible list for the Dykes award in 1943 would consist of iris which had received an Award of Merit in 1940, 1941, and 1942. The directors decided that for the first year of operation under the new rule it would be best to include *three* years of Awards of Merit, but thereafter the eligible list should consist only of iris which had received Awards of Merit in the *two* previous years. For example, in 1944 the eligible list would consist of iris receiving an Award of Merit in either 1942 or 1943.

The Award of Merit

The rule regarding this has not been changed, and there is no plan at present to change it. It is somewhat out of line, however, with the changes made last year regarding the Honorable Mention award and to be made next year regarding the Dykes Medal award, and we may want to give consideration to a change that would tie all three together. The present rule is that the eligible list consists of iris registered officially which have received an Honorable Mention award and which were introduced during a five-year period ending two years before the current season. For instance, this year the five-year period begins with 1936 and ends with 1940.

Since introduction is now a requirement for the Honorable Mention award, it would seem simpler to determine the period during which an iris would be eligible for the Award of Merit according to the year it got the Honorable Mention rather than according to the year of introduction. The rule might then read: "Recommendations for Award of Merit shall be made only to iris which have received an Honorable Mention award during the five-year period ending two years before the current year." The actual rule would, of course, state the years. No iris would be eligible for the Award of Merit until the second year after it had received an Honorable Mention award. Under this set up of rules the earliest dates at which an iris could get an award would be as follows: It would be eligible for an Honorable Mention the same year it was introduced; for example, 1942. It would first become eligible for an Award of Merit two years later, in 1944. If it got an Award of Merit that year, it would be eligible for the Dykes the following year, 1945. Of course, these are only the earliest possible dates. An iris would remain eligible for an Honorable Mention in any year after it was introduced. It would have five chances at an Award of Merit and two chances at the Dykes, provided it qualified by winning the lesser awards.

It would be unwise to attempt to tie the Highly Commended award into this scheme since it goes to promising seedlings which sometimes will not live up to their promise and will never be introduced, or even named. Also, other iris will be overlooked as seedlings which will turn out later to be stars and get Honorable Mentions.

Some new members may not quite understand why an iris has to be "registered officially" to be eligible for an award. The purpose of registration is simply to prevent duplication of names and confusion of varieties so that a buyer ten years from now who purchases a certain variety may be reasonably sure of getting what he intended to buy. Under this system only one variety in commerce can have a given name, and there is a description of that variety from the original hybridizer on file with the Society.

Introduction has been a requirement simply because members of the Society want to own varieties which have received awards and should be able to buy them. It is tantalizing to read about highly praised varieties which are not in commerce. Introductions will probably be much fewer in the immediate future, and there possibly will be more introductions from small lists issued by the individual hybridizer.

We Need More Varietal Comments

This has been a haphazard sort of discussion, but I do want to deplore the fact that there have been so few varietal comments turned in by judges during the past two years, and express the hope that more judges will turn these in this year. We will need them more than ever with the annual meeting called off, and the amount of visiting cut down because of tire and other restrictions arising from the war. Iris enthusiasts will want to see in the BULLETIN notes on new varieties that have shown up well in New England, or Nebraska, or the Pacific Northwest, or California.

Anyone who turns in a rating on an iris is also capable of writing a comment on it that will be valuable to others. The comments should not be too long, but if you like to go into detail, you can give the exact height, size of bloom, and number of buds, as well as considerable description, in a short paragraph. On the other hand, a comment including only a few words may be very worth while if it features some salient fact or high point about the iris. It always helps to be explicit. If you like it, why? If you don't like it, why?

Other members will be interested to learn whether it grows well or does not grow well in your section (don't be too hard on it the first year). It also helps to compare an iris with some older variety—it is or it is not an improvement. Note something down during the blooming season on iris that strike you particularly one way or another. You can polish up a rough note into a comment later on, but it is difficult to write many comments entirely from memory.

I believe ratings, symposiums, and varietal comments are all worth while in evaluating iris varieties. Any person interested in a variety who cannot see it for himself should take advantage of all three. Varietal comments, however, are more interesting to read than any tabulated material, and I know the editor of the BULLETIN joins me in hoping for more of them.

—JESSE E. WILLS,
Chairman, Awards Committee.

IRIS FROM "DOWN UNDER"

By T. Wood

Curator of Parks and Gardens, Wagga, N.S.W.

■ DURING a recent visit to the iris nurseries of Mr. W. P. Aylett, of Mangoplah, N.S.W., I had the privilege of seeing the finest collection of iris in the Commonwealth in full bloom—truly a glorious sight. The collections consist of several acres of choice varieties. Mr. Aylett has been an iris enthusiast for many years, and has procured all the choicest varieties from the very best raisers in America and Europe for hybridization, the results of which are now to be seen.

Mr. Aylett is to be highly complimented for his zeal and enthusiasm in producing the wonderful collection of high-class varieties, which contain a large quantity of new ones of every color and shade, and certainly a great improvement on many of the imported parent varieties. I had the honor of selecting and naming a few of the very choice seedlings, which I am sure will create a sensation in the iris world.

These iris are grown out in the open on a rather good heavy loam, planted in rows four feet apart and approximately 200 yards in length, and without any water supply, Mr. Aylett supplying the moisture by constant cultivation. The plants seem to revel in this method of culture and are all particularly free from disease.

The varieties of seedlings selected and named are as follows :—five seedlings were named after the five competing candidates for the recent Wagga Queen Competition in aid of the Mayor's Patriotic Fund, proceeds from the sale of which are to be donated to that particular fund.

SYLVIA MACDONALD: A triumph of all deep orange yellows. A sensational variety and a seedling of NARANJA, the famous orange iris of Mr. Mitchell, of California, but much larger and more orange. It has the same shape and form as the beautiful HAPPY DAYS, which is one of its parents. (42 inches, and well branched.)

DOLLY WALKER: Another seedling from the same parentage, NARANJA $\times$ HAPPY DAYS, of great promise. A very dark yellow with orange blotch on each side of the beard. A glorious sight in bloom, and will be a world-renowned iris.

HELEN MARTIN: A seedling from the famous SAN FRANCISCO $\times$ ALTA CALIFORNIA. This variety is more evenly marked than SAN FRANCISCO with flower much larger and of great substance—a truly fine variety.

DAISY OF STAPLETON: A seedling from ALTA CALIFORNIA $\times$ CALIFORNIA GOLD. A huge yellow with good stem well over 50 inches. A beautiful shade, and in the evening light showing a pink glow under the yellow ground color. A variety worthy of any collection.

MRS. JOAN TOMB: A pure magenta mauve seedling of the famous MRS. V. WEST $\times$ HAPPY DAYS. This variety is tall and well branched, and it speaks for itself, as it can be seen with its huge flowers at a great distance, and singled out as a great iris.

EDMONDSON V.C.: This is a seedling from MRS. V. WEST $\times$ MIRASOL. This is a huge cream yellow with a faint pink tinge through, its solid petals veined all over olive yellow! 40 inches tall and a splendid flower to perpetuate the name of Wagga's first V.C.

WINSTON CHURCHILL: A dark maroon flower shaded black, of medium size. Parentage, GRACE STURTEVANT $\times$ MRS. V. WEST, two of the world's best varieties. Hardy in all climates. When this flower first opens, it is quite black; 30 inches tall.

PRESIDENT ROOSEVELT: A large coppery salmon flower with a golden sheen. Parentage MRS. V. WEST $\times$ COPPER LUSTRE. This iris will be much appreciated, and is here to stay. It is well branched with a 30-inch stem.

VICTORY V. : This is a sensational white iris, and, I am confident, far superior to any white even to its parent, SNOW KING, and I am positive that no other white will ever supersede this truly huge snow white flower. It is a fine grower, 28 inches, and will be with us for all time.

AUSTRALIAN SUNSET: This is a seedling from NARANJA $\times$ COPPER LUSTRE, and when in flower depicts a real sunset in Australia, with its orange glow with a tinge of red and violet markings intermixed. A tall grower with a large flower which can be picked out at a great distance.

In addition to these, three more extra fine seedlings were selected to be named—E. M. GISSING, H. E. GISSING, and DOROTHEA LOADER. A full description will be given next season after further trial.

In concluding, I must say that this collection of real gems in the iris world will, I am sure, produce varieties never before seen, as I think Mr. Aylett is working on the right lines and with the right material. He has been very successful with the crossing of all the very best, and at the moment of writing great well-developed seed pods stand out everywhere. Varieties are seen here in pod that have never been known to seed elsewhere, and one in particular standing out is WM. MOHR, with two huge fat seed pods. Something here for the near future. Mr. Aylett is also a great lover of the daffodil and has already produced some very fine varieties, and I cannot conclude without saying that all real garden and flower lovers must take their hats off to men of the zeal and enthusiasm of W. P. Aylett.

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TOO MANY GOOD IRIS?

JOHN DOLMAN, JR.

■ WHEN A comparatively mild iris lunatic apologizes to his friends for having only two or three hundred varieties of bearded iris instead of five hundred or a thousand, he is quite likely to add (pointing to his *Check List* and his pile of catalogues), "There are too many good iris today. You just can't grow them all."

The flower lover who isn't an iris judge is likely to reply: "Yes, it's bewildering. How do you ever keep track of them? But they are all so lovely. Every one is beautiful, and I don't see how you can ever bear to part with one."

That, of course, is just the trouble. Most of us can't bear to part with an iris that we have once really liked. When we do, it is often solely on the ground that "there are too many good iris, and you can't grow them all."

But are there really too many good ones?

If half the named varieties in the current catalogues (not to mention the *Check List*) are good iris, there certainly are too many—too many for any one person to grow, or any judge to know; too many similar ones in some color classes; too many new ones coming out every year. But are there really too many good ones?

It all depends, of course, on what we mean when we speak of a "good" iris. If we mean an iris which, in spite of several bad faults, or a dozen minor ones, possesses, when seen at its best, some intensely appealing quality—novelty or purity or depth of color, exquisite form, sparkling luster, impressive size, distinguished carriage—then most of the iris we grow are good ones, and there are too many of them. And the chief reason why there are too many is that most of us do mean just that when we speak of a good iris.

Run down the list of the "hundred best" iris in Kenneth Smith's Symposium, and you will see that most of the judges have made their selections on this basis. Many of the varieties high on the list have conspicuous and generally admitted faults, but are included because they also have spectacular elements of appeal. One bicolor has clean contrast and great purity of color, but a spindly stem in bad proportion to the bloom. Another has huge size, vigor,

and great carrying power, but on close view is made coarse by messy white haft venations. Another has a pale, frosty bloom of great size and beauty and perfect form when "right," but is "right" only once in three years, and on one stalk in a clump. Another is a gorgeous and apparently faultless thing on a cool morning, but melts away after two hours of hot sunshine. Another is practically perfect—provided every single stalk is carefully staked.

Which is all right, if we like it that way, but easily explains why there are 12,000 names in the *Check List*.

Suppose, just for fun, we set up a different conception of a "good" iris. Suppose we say that a good iris is one which, in addition to its superlatively endearing qualities, shows an almost total absence of faults. I say "almost" because it is obvious that perfection, like infinity, can never quite be reached, and that all good qualities are relative. But it is quite possible to imagine an iris that has no conspicuously bad quality, and combines a comparatively high degree of all good qualities. Suppose that is what we mean by a good iris.

Are there too many good iris in that sense? How many good ones are there? How many of the "hundred best" are good? Are there *any* good iris?

Well, I think there are—but not many. Not more than six, or eight, or ten, in my garden. Certainly not a hundred, or even half that number, among all the varieties I have seen and studied. Excluding those too new to have proved their claims, I doubt if there are 20 varieties that could, with any certainty, be considered good iris under this definition.

Let us take any variety in the garden, or in the list of the "hundred best," and ask ourselves some searching questions about it. First, let us be reasonable and admit that some qualities are necessarily local and some necessarily personal. Obviously, an iris may do well in one locality and not in another; an iris that is good in California may be a runt in Pennsylvania and winter-kill in Massachusetts. An iris may be good in its color class, but anathema to people who just don't like that color class. A dark iris cannot please those who like only the pale colors, or a bicolor, those who like only selfs; a rounded flower will always distress those who like only flaring falls. Let us not say that an iris is faulty because some people with sharply defined tastes do not like it, or because it does not do well everywhere. Rather let us ask, "In my region, in

most gardens, with reasonable care, does an iris that some people praise highly show an absence of serious faults and a combination of all recognized good qualities?"

Does it, for example, have a long season of bloom? Does it look well through most of that season, rather than grow messy as soon as the first blooms have passed? Do the stalks stand up without support in wet, and hot, and windy weather? Are the stalks tall enough for the size of the blooms? Short enough? Thick enough? Are they generally well branched? (No iris shows perfect branching on every stalk, but some give one good stalk in three, some one in ten, some one in 50.) Is the foliage clean, and in proportion to the stalk? Does it stay green and healthy most of the summer? Do the individual blooms last well? Do they shed rain without melting or spotting? Do they stand hot sun without burning or wilting? Do they stand wind without splitting or fraying? If the flowers are globular, are they free of an ugly break in the curve of the falls? Are the falls large enough for the standards? Small enough? Free of strapping, undercurving, or pinching? Are the standards well closed and firm? Or, if open, are they at least firm, and the parts exposed by them fit to be exposed? If the flower is flaring, is the flare relieved by a pleasant double curve, free of stiffness and awkwardness? If the flower is large, is it free of coarseness or floppiness? If small, is it dainty or delicate rather than mean and insignificant? If dainty, is the daintiness achieved by ruffling with good substance, rather than by flimsiness? Are the flowers well spaced on the stem rather than bunched or crowded? Are they poised at pleasing angles? When they finally wilt, do they curl and dry up quickly without having to be picked off? If the flower is a bicolor, is the contrast clean and rich? If a blend, is the blending harmonious? Is it subtle rather than dull? If a self, is the color clear, pure, or delicate rather than muddy? If there is veining, does the veining harmonize with the color scheme rather than mess it up or blur it? Is the plant consistently vigorous? Does it take hold quickly when set out? Does it root deeply and resist winter heaving? Does it bloom well the first year? Does it keep up the pace thereafter, without blooming itself to death? Does it increase rapidly? Do the new rhizomes retain the vigor and size of the parent (many rapid increasers degenerate in size and vigor or rhizomes)? Does the clump hold together for several years, neither crowding and starving itself nor spreading out into

grotesque chains of leafless rhizomes wandering all over the garden? Does it bloom consistently, regardless of good and bad seasons? Is it reasonably rot-resistant? (Any iris can lose a rhizome now and then, but quick and complete surrender to rot is certainly a fault.) Does it do well without excessive coddling, heavy fertilization, special winter protection?

If the answer is "yes" to all these questions—and a few others I may have missed—our iris is a good one. Now, how many are there?

I am not suggesting that we immediately throw out every iris that doesn't completely meet that test. I wouldn't have ten varieties left if I did that—perhaps not five. Most of those I like best of all would slip up on one or two of the questions. At the moment I can think of only one that would come close to a perfect score. That one is *GOLDEN MAJESTY*; and as a matter of personal taste I do not like its color quite as well as I do some of the other yellows. *RAMESES* comes fairly close, though its foliage cannot equal that of *GOLDEN MAJESTY*, and some people do not like its color. *DAUNTLESS* has been outclassed in color, but has few if any serious faults. *RAMESES* and *DAUNTLESS* are the only two Dykes Medal iris that haven't serious faults. *SAN FRANCISCO* would meet the test in my garden but for one weak-stemmed year; so would *LOS ANGELES* but for one bloomless year. *BALDWIN* would qualify but for a little coarseness, and *OZONE*, but for slow growth. *INDIAN CHIEF* almost qualifies, but lacks substance some years. *CASTALIA* qualifies on everything but compactness of root growth and transplanting qualities. Many of my best-loved favorites have to take a sharp "no" on at least one important question—*GUDRUN* on length of stem, *MOONGLO* on the shape of its falls and its tendency to overbloom its strength, *CALIFORNIA GOLD* on its sprawling root growth, *VALOR* on its shy blooming, *PURISSIMA* on its tenderness, *ORLOFF* on its lack of vigor, *JUNALUSKA* on its slow increase, *TIFFANY* on its susceptibility to rot, and so on. In addition, I should have to reserve judgment on the newer ones—lovely things like *SABLE* and *PRAIRIE SUNSET* and *FAIR ELAINE*—until I have had them long enough to observe their growing qualities. I have no intention of discarding any of the varieties mentioned until similar ones with fewer faults are unmistakably available.

But I do suggest that we keep the more rigid definition of a good iris in mind, and check up occasionally just to see how many of the

things that we rave about really live up to our praises. It will make our wholesale sifting process seem less idiotic, and will tend to keep our breeding standards higher. And if we wish to grow only "good" iris, we can grow them all—even in a small garden.

PLANT BREEDING AND HANS P. SASS

DAVID F. HALL

■ THE SUPREME ARCHITECT is a great believer in variety and change—no two of us look alike and no two leaves on a tree are exactly alike, even though they follow the same pattern. If it were otherwise, all organic life would have become static years ago. We have much to learn about the factors that cause these changes; that field of exploration has just begun.

These constant changes come about principally by mutations and breeding. Experiments have shown that passing currents of electricity through seeds disarrange, partly destroy, or in some manner change the chromosomes that carry the hereditary traits, resulting in a percentage of mutations or variations from the normal in one or more respects, such as size, shape, color, etc. Unfortunately, plants that show mutations from seeds so treated are usually cripples or abnormalities of one kind or another, and little has resulted to date from these experiments that represents real progress in producing better iris. Many students of this question believe violent discharges from electrical storms are responsible for some mutations in plants.

However, these experiments point the way to interesting possibilities by the use of electricity as a medium of producing mutations and new and different things in the great plant kingdom. It is the other and better-known way of creating different and better iris—"plant breeding"—that I want to treat in this article.

I have yet to learn of any one who has followed this absorbing avocation who has become tired of it and given it up. Hope springs eternal, and the possibility of producing a world-beater is all too alluring to relinquish. Real enjoyment also comes from planning and exploring the possibilities of certain crosses.

Studying the pedigrees and hereditary factors of different named varieties and seedlings in the search for likely parents to produce a better pink, red, blue, or whatever your objectives may be, furnishes an enjoyable and time-consuming winter sport. One can just plan and day-dream on and on.

Iris breeding in this region has caught the fancy of many. This spring will witness more than a dozen budding Burbanks rising with the sun during the blooming season, eagerly scanning their seedling beds in search of something lovely and unusual. Each seedling is in some degree different from anything that has ever bloomed before. They are your own swans or ugly ducklings. There is an old saying that there is only one most beautiful child in the world, and every mother has it. And that is true to some extent with our iris babies.

In order not to place too high a value on a seedling, it is necessary to grow under the same conditions of soil, location, cultivation, and moisture, the best of the named varieties so that direct comparisons can be made. A seedling that is just a little better than something already in commerce is not good enough. To be worthy of introduction in this already rather crowded field, it must be definitely and decidedly better.

If a breeder gets one iris seedling out of three or four thousand that is worthy of introduction, he is fortunate. Seedlings are rarely as good as either parent. The parents usually represent the one or two good ones out of several thousands—they are the unusual and outstanding specimens and, like giants or dwarfs in the human race, their offspring usually revert to the normal.

However, the best results are usually obtained by using the best parents obtainable. Take advantage of and build on the successful efforts of others; this practice is followed by the leading animal and plant breeders.

A seedling should be grown for at least two or three years to ascertain its hardiness, habits of growth, and other characteristics, before offering it for introduction. Seedlings, if well grown, usually give typical bloom the first time they bloom, and my experience has been that my enthusiasm for a seedling in many cases cools off in the second and third season, as it just doesn't look as outstanding as I had pictured it.

I now introduce to you one of America's most successful and beloved hybridizers, Mr. Hans P. Sass, who tells the story of his plant breeding.

"The arid conditions of the last 12 years," said Mr. Sass, "have greatly interfered with my work in breeding flowers. I have given up raising seedling peonies and have been unable to do much with *hemerocallis*. Seedlings of these two plants cannot survive here some seasons without irrigation, and in summers like the ones in 1934 and again in 1936, *hemerocallis* do not set seed. The same is true of lilies, of which I tried to improve the mahogany red colors of the *umbellatus*; they do not seed in these years of drought. Years ago I raised an improved Golden Glow, *Rudbeckia laciniata*, with quilled petals, like a pompon dahlia. From this I raised a good many seedlings, but since 1930 all perished, including the wild forms that grew in abundance along streams and in low places. I also raised lilac seedlings and selected 16 doubles and several nice singles. The lilac is the only shrub that came through these years unharmed.

"At present a great many trees on high ground are in a dying condition, and only the native trees like oak, hackberry, bass wood, and the Russian mulberry hang on. Of evergreens, the *Arbor-vitae*, Blackhill spruce and most of the white pine are gone. Norway spruce, Douglas spruce and Colorado spruce are damaged; only Scots pine and Bull pine are in good condition.

"When I moved to my present location in 1903, we had bounteous rains, and everything flourished. As I had my own home then, I commenced to plant a great variety of trees, shrubs, and flowering plants. I had Park's little *Floral Magazine*, and from this I ordered many plants and flower seeds. Later I gathered my own seed, a weakness from boyhood days, and where plants would not yield seed, I resorted to fertilization. As to peonies, I had several singles, but when I found plenty of pollen on the semi-rose varieties, I hardly ever used the pollen from singles. In iris and peonies, the catalogue of Rev. Harrison, of York, Neb., contained the most up-to-date varieties. After five years I had accumulated 40 varieties of peonies and ten bearded iris, including one dark blue seedling from my brother, which played a part in my later iris breeding. At the time I was more interested in peonies than in iris, especially so when I had several nice seedlings from Mons. Jules Elie x Mlle. Rousseau in bloom, which happened in the Spring of 1912. I kept

up this peony breeding for 20 years and have bloomed at least 10,000 seedlings. I bought a great many new varieties and made many crosses, but, as with the iris, I preferred my own seedlings in breeding. Perhaps the most outstanding varieties I raised were from Mad. Ducel crossed with the best semi-rose seedlings from Mons. Jules Elie. I selected nearly 300 of the best, from which I named 16, but there are others worthy of a name. Nearly all were transplanted in 1933 and have not done well on account of the drought.

"My work with the *hemerocallis* began about 1920. I had the great orange daylily, *Aurantiaca major*, in my garden since 1906, also *Fulva* and *Flava*, but crosses between these would not take. So in 1917 I bought a small collection from Bertrand Farr, including a *Citrina* hybrid. This hybrid seeded freely and from it I raised some very tall seedlings, mostly pale yellow and small flowered. These bloomed a little later than *Major*, but there was always some bloom together to do some hybridizing. I now had in mind to breed a great orange flower on tall stems, as the *major* blooms only on two-foot stems. Both varieties yielded plenty of seed, by crosses made both ways. This I planted in early spring, four inches apart, in drills. After some years I had several rows ten rods long ready to bloom. The colors of these ran in light and dark yellow, with a small percentage to cadmium yellow. All were fairly tall and in a favorable season some went up to six feet and were from medium to very large in size. From these I selected 30 varieties of which I named seven: *Sunny West*, *Golden West*, *Star of Gold*, *Hesperus*, *Nebraska*, *Moonbeam*, and *Revolute*. My later crosses were with the new Perry varieties and others, and from about 1,000 seeds harvested in 1939 I saved only 120 seedlings. These were transplanted to a shady bed and watered. Out in the field where the seeds were planted, watering was very unhandy and grasshoppers kept them sheared down.

"I planted my first iris seed in the Fall of 1909. Most of it was Siberian and Japanese, but it included eight seeds of the bearded. My collection of bearded iris at that time consisted of the following: *MME. CHEREAU*, *HECTOR*, *HER MAJESTY*, *MRS. H. DARWIN*, *FLORENTINA ALBA*, *FLAVESCENS*, *CUBERO*, *HONORABILIS*, *PARIENSIS*, and a blue seedling from my brother Jacob. In 1910 I made crosses between *HER MAJESTY* and *MRS. H. DARWIN*, also crosses between *MME. CHEREAU* and the blue seedling. When these bloomed, I became really interested and made some descriptions: from *HER*



Mr. Hans P. Sass. Picture reprinted by special permission from "Country Gentleman," copyright 1934, by the Curtis Publishing Co.

MAJESTY × MRS. DARWIN I had some lovely colors, S. white, F. flushed pink; another S. pale yellow, F. deeper pink; others were close to the parents. All were short stemmed. The MME. CHEREAU hybrids, of which 22 were in bloom, were considerably taller. A few of them had the plicata pattern with rosy edges, while most of the others came in blue. From this lot I selected a large and tall deep blue, which was the first numbered and which I used a great deal in breeding from then on. The next spring I had another patch of seedlings in bloom and I described 28 of them. There was quite a range of color as new varieties, such as SHAKESPEARE, MONHASSAN, KHEDIV, GRACHUS, and JASQUESIANA had entered into the breeding. I selected one seedling, of which I have no parentage, which became No. 2. It was for the time a large dark blended variegata on stout but short stems. This variety is responsible for most of the outstanding colors in my present-day iris.

“The very severe Winter of 1916-17 wiped out many of these earlier seedlings and killed all my peony seed. A row of 215 iris seedlings was badly damaged, but most of them survived and bloomed the next spring. This row was from a mixture, as in 1915 a great hailstorm cut up my seed pods, and what was left I planted in mixture.

“In the Fall of 1917 I ordered a number of iris from Mr. Farr, including AMAS, CATERINA, and *I. trojana*. I was now most interested in large flowers, and when AMAS bloomed the next spring, it surprised me with the wide petals. From the row of 215 seedlings I selected eight more which I put under number. No. 3 later became MIDWEST, and No. 10, a red purple of ED. MICHEL type, is the pollen parent of REDWING. The other numbers have not produced anything. This same Spring of 1918, AKSARBEN bloomed in my brother's garden, and I now decided to breed iris on a larger scale. For the next few years I made many crosses on my numbered seedlings with AMAS, CATERINA, and *I. trojana*. I also crossed many of the named varieties like ARCHEVEQUE, ELDORADO, MRS. N. NEUBRONNER, MONSIGNOR, IRIS KING, etc., with AMAS and *I. trojana*. My object was to breed the colors of these small flowered varieties into the large and tall flowered varieties, especially the variegata coloring. I made my futile crosses, not knowing at the time that the unequal number of chromosomes was the obstacle. But I thought these crosses had to be made and with persistence I had success. Among the named varieties I crossed Pallida Dalmatica with

variegatas like MAORI KING, MRS. NEUBRONNER, and IRIS KING. These crosses yielded plenty of seed, but the seedlings were small flowered, and the next generation was small also.

“Following is the breeding of my iris that has produced the best results :

No. 2 × AMAS, No. 40, a dark blend. This and the next cross were made in 1918.

No. 1 × AMAS, No. 21 and AUTUMN KING which bloomed in the fall of 1919.

No. 21 × CATERINA, BALDWIN, which bloomed in 1924.

“For a variegata I made many futile crosses. In 1923 I made the following :

No. 100 × No. 40, KING TUT.

KING TUT × BALDWIN, RAMESES and WACONDA.

No. 40 × KING TUT, dark variegata, tall but of medium size.

KING TUT × CARDINAL, KING JUBA, No. 30-28 and No. 32-28.

No. 40 × RAMESES, big variegatas, rather blended. No. 48-31 one of the best.

No. 40 × No. 30-28, EL TOVAR.

MIDWEST × No. 2, NEBRASKA. MIDWEST came from a mixture of seeds.

NEBRASKA × RAMESES, AL-LU-WE.

AL-LU-WE × No. 20-28, CITY OF LINCOLN and SIEGFRIED. No. 20-28 a seedling of JUBILEE.

MIDGARD × RAMESES, AMITOLA and AMENTI.

RAMESES × No. 32-28, No. 22-31, a big dark purple.

No. 22-31 × AMITOLA, MATULA and MIDWEST GEM. Also No. 32-23.

No. 48-31 × AMITOLA, No. 50-34, a light blended variegata.

KING TUT × MORNING SPLENDOR, No. 90-31

No. 90-31 is the seed parent of TIFFANY and AUTUMN FLAME, pollen unknown.

No. 50-34 × TIFFANY, RUTH POLLOCK and CORITICA.

EL TOVAR × AMENTI, ORLOFF.

OLD GOLD × TROJANA, No. 19-29. OLD GOLD is a MIDWEST seedling.

No. 19-29 × AMITOLA, SANDALWOOD.

SANDALWOOD × AMITOLA, PRAIRIE SUNSET.

TIFFANY × ORLOFF, ELSA SASS.

RAMESES × EL TOVAR, No. 136-34, a rose blended plicata.

TIFFANY × No. 136-34, ROSE TOP, color similar to pollen parent.

MIDWEST GEM × PRAIRIE SUNSET, No. 32-38 a yellow.

No. 2-34 × No. 32-38, ELLA CALLIS, yellow with the falls flushed orange.

AUTUMN FLAME is one parent of PERSIAN PRINCE, pollen unknown.

KING MIDAS × KING TUT, MISS ARAVILLA and PRINCESS MARYGOLD.

MARY GEDES × MISS ARAVILLA, ROYAL COACH.

RAMESES × WAMBLISKA, DORÉ. These crosses were made by Jacob.

DORÉ × SIEGFRIED, GOLDEN FLEECE.

“With the breeding of fall blooming iris I started soon after the advent of AUTUMN KING. To be surer of results, I crossed some of the pumila hybrids that showed a fall blooming tendency with AUTUMN KING. As we had plenty of moisture these years, some of the seedlings bloomed the first year in fall after seeding. I also bred these pumila hybrids with AMAS and received some fall bloomers. Of the pumila-AUTUMN KING hybrids I named the following: AUTUMN QUEEN, pure white, not large and tall but the most dependable rebloomer; DORCAS HUTCHESON, blue violet self; LAURA HUTCHESON, blue; FROST QUEEN and OLIVE WHITE. Of the pumila-AMAS crosses, only ELEANOR ROOSEVELT was named, a dark purple self.

“From chance seed of AUTUMN KING I raised two fall blooming varieties with larger flowers, SEPTEMBER SKIES, a deep purple and a very dependable fall bloomer, and WHITE AUTUMN KING, also dependable.

“In 1932 I selected 12 large varieties, which came from a cross not intended for fall bloom. One of this lot I have named AUTUMN HAZE, a large medium blue. Another, which I have under No. F. 3-32, is a light blue on 36-inch stems and is a very good performer.

“SOUTHLAND is a large chrome yellow fall bloomer, which came from a pumila $\times$ KING TUT seedling. Altogether I have about 50 fall blooming varieties.

“I have bloomed something over 100,000 seedlings. Since 1920 I have lined out on an average 5,000 seedlings each year. Some years less and a few years close to the 10,000 mark. Since 1934 I have planted the seed in drills four inches apart and the rows 3½ feet apart. This saves transplanting and the seedlings have a better start. In the Fall of 1935 I planted about 10,000 seeds, but with the grasshoppers and the terrible drought only 3,500 pulled through.

“I named 75 varieties, of which RAMESSES received the Dykes Medal. The following received Mention: ABELARD, AMBERS, BLUE HILL, CLARA NOYES, CYRUS, DOXA, KING JUBA, WACONDA, EL TOVAR, SIEGFRIED, SNOW KING, TIFFANY, BALMUNG, GARDEN FLAME, PATRICIA, GOLDEN BOW, PRAIRIE SUNSET, RUTH POLLOCK, CITY OF LINCOLN, and ELSA SASS.”

OUR MEMBERS WRITE

Iris Family Trees

■ WHEN I talked with you last December about publishing the family trees of some of our outstanding iris, I was prompted to make this suggestion by the knowledge that a great proportion of the members of the A.I.S. was interested in hybridizing, and to them a record of the work of our outstanding iris breeders would be both instructive and interesting. To the other members of the Society who are not necessarily interested in hybridizing, I would like to suggest that they study the various diagrams from the viewpoint of the personalities involved. From the furthestmost roots to the topmost branches of these family trees are the names and records of many of the famous hybridizers and collectors of the last century and a half—Lemon, Vilmorin, Millet, Cayeux, Foster, Bliss, Dykes, Yeld, Williamson, Farr, Mohr, and many others, whose names will forever be bound up with the development of the iris.

I have adopted your suggestion and have prepared the family trees of those eight fine iris which last year received the Award of Merit from our Society. Diligent search in the *Check List*, the old BULLETINS, and the *Iris Year Book* (English) has rewarded me with copious information, but it was through personal correspondence with the breeders themselves that many of the blood lines were established and recorded.

There were eight tall bearded iris to receive the Award of Merit last year. Three of them were from that now famous breeder, Mr. Hans Peter Sass, of Elkhorn, Neb. I think it fitting that we consider these three iris, PRAIRIE SUNSET, RUTH POLLOCK, and ELSA SASS, in one group and publish all three in the same issue of the BULLETIN.

To understand and fully appreciate the charts of these three iris, it is necessary to know something of the man who made them—his purposes and his methods and, above all, his background. To begin with, Hans Sass is a man whose hands know the feel of dirt. There is something about the soil, knowing it, living it, that pervades a man's being. It influences thought and creates an uncommon love for the products of the soil. Such a man is Hans Sass, for he had to love the soil, whether he knew it or not, to bring forth from it the many lovely flowers that are his.

IRIS PRAIRIE SUNSET

Award of Merit
1941

PRAIRIE
SUNSET
TB-ML-S9L
(H. Sass '39)

SANDALWOOD
TB-ML-S9L
(H. Sass '37)

Seedling
19-29
(H. Sass)

OLD GOLD
TB-M-S4L
(H. Sass '29)

I. trojana
TB-M-B3M
1887—Asia
Minor

MIDWEST
TB-ML-W8
(H. Sass '23)

?

AFTERGLOW
TB-M-S4L
(Sturt. 1919)

I. pallida
TB-M-B1M
(Lambert—
1789)

AUREA
TB-M-Y4M
(Jaques—
1830)

MIDGARD
TB-M-S4L
(H. Sass '26)

?

AMITOLA
TB-L-S7L
(H. Sass '36)

KING TUT
TB-L-S6D
(H. Sass '26)

No. 100
(H. Sass)

I. variegata
No. 1
PRINCESS
BEATRICE

No. 40
(H. Sass)

I. variegata
No. 2
AMAS

RAMESES
TB-ML-S9L
(H. Sass '29)

BALDWIN
TB-M-B7M
(H. Sass '27)

No. 21
(H. Sass)

No. 1
(H. P. Sass)

AMAS

AFTERGLOW
TB-MS4L
(Sturt. 1919)

I. pallida
TB-M-B1M
(Lamb. 1789)

CATERINA
TB-M-B1M
(Foster 1909)

I. cypriana
TB-B9M
(Foster
1888)

I. pallida
TB-M-B1M

MIDGARD
TB-M-S4L
(H. Sass '26)

?

AUREA
TB-M-Y4M
(Jacques
1830)

I. variegata
No. 1
TB-M-Y3M
(Hungary
1753)

No. 100
(H. Sass)
A Blend

PRINCESS
BEATRICE
TB-M-B1L
(Barr 1898)

AMITOLA
TB-L-S7L
(H. Sass '36)

KING TUT
TB-L-S6D
(H. Sass '26)

No. 40
(H. Sass)
A Dark Blend

I. variegata
No. 2

RAMESES
TB-ML-S9L
(H. Sass '29)

AMAS
TB-E-B3M
(Foster 1885)

MME.
CHEREAU
TB-M-W2

BALDWIN
TB-M-B7M
(H. Sass '27)

No. 21
Bradley's
Blue

No. 1

Jake's Blue
Seedling

AMAS

CATERINA
(Foster 1909)

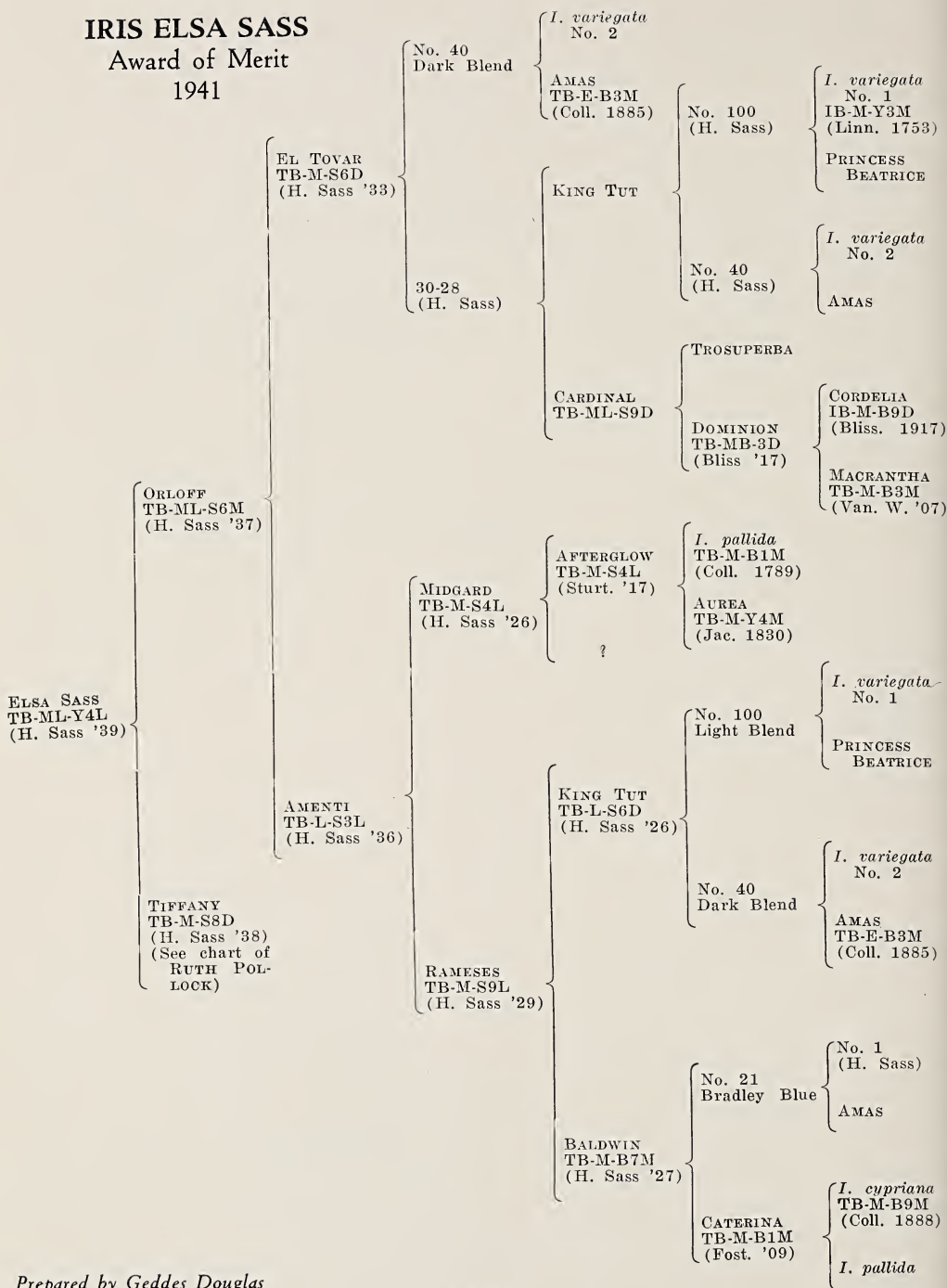
I. cypriana

I. pallida

IRIS ELSA SASS

Award of Merit

1941



A student of botany, and a farmer until 1903, he then turned his attention to flower growing, but it was not until 1911 that he began breeding iris with a definite purpose in view. But let him tell you of that in his own words as he wrote them to me, "My brother Jake Sass had a blue seedling which came from a seed he picked from HONORABILIS. I crossed MME. CHEREAU with it in 1911, and from 30 seedlings I selected one with large flowers of the same color (Bradley's blue) and on tall 44-inch stems. I numbered this No. 1 in 1915. Then I bought AMAS, *trojana*, and CATERINA from Bertrand Farr for comparison. In 1915 I crossed my blue seedling with AMAS, and in the Fall of 1919 AUTUMN KING bloomed from this cross. The same year I commenced with the variegata crosses. I made these crosses with the idea of breeding large and tall variegatas as this strain is well adapted to our vigorous climate for the species hails from Hungary where conditions are similar. The variegata strain is also responsible for all the colors in iris with the exception of blue, and I wonder where the American Iris Society would be had this strain not been developed."

"But, Mr. Hans Sass," I wrote, "*I. variegata* and *I. pallida* are probably the oldest known iris species. They have been available to the continental hybridizers since the middle of the eighteenth century. You have taken them and given us the colors of a September sunset. Why was it that you succeeded where they failed?"

"In 1919," he wrote, "I selected a clear variegata and bred this with PRINCESS BEATRICE. Also I selected another variegata which was slightly blended and which I designated as variegata No. 2. This iris would set a few seeds with AMAS which were fertile. From the first cross I got my No. 100, a medium blend, and from the second, my No. 40, a dark blend. From Jake's blue seedling and MME. CHEREAU I got my No. 1, a large, tall blue which I have referred to above. Then No. 100 crossed with No. 40 gave me KING TUT. No. 1 crossed with AMAS gave me No. 21, and No. 21 crossed with CATERINA gave BALDWIN."

These were the breaks. KING TUT by BALDWIN gave RAMESES, but let the chart speak—a new line of breeding had begun and Hans Sass had climbed to the pinnacle of iris fame, the Dykes Medal!

Continuing, Mr. Sass wrote, "The seedlings from *variegata* crossed with AMAS would not inbreed, and the same was true of the *variegata-pallida* hybrids. After much effort, I finally succeeded

in breeding the two strains together. It could have been done in a shorter time, but I was working in the dark, I believe this sterility between the diploids and the tetraploids was the obstacle the older breeders did not overcome. Vilmorin was the first perhaps, with AMBASSADEUR and ALCAZAR." (Author's note: After the introduction of ALCAZAR in 1910 by Vilmorin, and AMBASSADEUR some several years later, most of the continental hybridizers concentrated on the Dominion strain. It was not until after the first World War that the variegata strain was again picked up by the Sassés, Miss Grace Sturtevant, Mr. T. A. Washington, Dr. James H. Kirkland, and a few others.)

"I have used *mesopotamica*," Mr. Sass wrote, "but after several years had to renew the stock. Breeding it with variegata hybrids, the first generation comes blue, but surely on tall stems. Breeding them again, the second and third generations will result in better color, but height is lost. By breeding these back to *mesopotamica*, color is lost. In-breeding the first generation did not result in anything, as it seemed the type was fixed. But this is a job for the Californians for in their favored climate they may do much with the tender Asiatic species."

And so with a challenge for others to follow in his footsteps to greatness, Mr. Sass concluded the record of his efforts. But do not think for a moment his work is finished. GRACE BALLARD, MINNIE COLQUITT, FLORA ZENOR, AUTUMN FLAME, PERSIAN PRINCE, and many other fine iris are yet to be heard from, and miracles of color from unplanted seed are yet to unfurl their petals to a prairie sun.

I hope others will enjoy perusing the accompanying charts as much as I have enjoyed assembling them.

GEDDES DOUGLAS.

Nashville, Tenn.

Further Progress in Oncobreds

■ MY ONCOS and regelias are all mixed up in parentage; it was more important to me to strive for healthy seed and quantity, than to know the road passed over, or blaze the trail. I must have been at this some 15 years; perhaps five generations of iris. Also, seeming crosses with pogons and oncobreds that showed no pogon influence in the progeny, have undoubtedly had marked influence that now

sometimes crops up. So my oncos are beginning to be more vigorous both from acclimatization and from infusion of stronger aliens. Mr. Reinelt tells me that in breeding for the perfect pansy, he expects to carry on for 15 generations; this might indicate that hardy oncos (of pure strains) might be a matter of half a century, which can hardly interest a man of 72 years. Some years ago, Cornell investigated for me the cause of non-survival of oncos, and could find nothing serious except mosaic susceptibility, and nematode fondness.

The result of my opportunism in oncos is that they have some little increase in stamina, and a great variety in shape, marking, and coloring: many of these are more beautiful than the original parents, and I am in good company in so thinking. The yellow of URMIENSIS has worked wonders. *Gatesii* seems not up to its reputation as a parent. SAMARIAE, *susiana*, NAZARENA, or URMIENSIS would improve it in my liking.

Because of heavy rot this year all but the healthiest clumps of onco were dug and racked in a dark shed as soon as pods were gathered. These dry clumps will start to grow in October whether planted or not: some of these will therefore go into cold storage in September to keep them dormant until spring. This, you know, was W. R. Dykes' advice for weak oncos. I am going to try it out this year. Usually my oncos are transplanted in the fall, likewise those oncobreds that take the onco pattern of growth.

All onco-pogon and pogon-oncos that show marked onco characteristics are, in my terminology, oncobreds. For years the only oncobred that had viable pollen or would seed was a regelia derivative that strongly marked its children. A cross with another oncobred has produced SHERIFFA, a tall electric red. More and more the oncobreds are breeding, but generally in a do-and-don't manner.

This year there are about a dozen tall oncobreds. Some are from pogon seed-parents; so at least the pogon dominance of the seed parent has cracked for me at last.

This past season was excitingly promising. Several of the seedlings are pogon vigorous and lovely in their own right.

There is a tall 1938 oncobred, colored more like a parrot tulip than any other flower; one of those Eurasian types that are a mixture but not a blend of parents. The pollen of this has given me the best of my 1941 oncobreds; and many seeds this year from both oncos and pogons. This 1941 pollen child has a broad rich brown

beard that covers the top of the falls and comes down the sides of the vivid red signal patch; my wife says it reminds her of pictures of the "burnsides" that adorned the faces of men in the past he-man period of the Civil War.

The falls are sharply incurved. This would rate as a fault—but I don't know! Many iris faults are sometimes lovely from an artistic viewpoint; I admire the twist of the falls, sometimes found in the Sass iris. One of my friends says he would like the ratings of the A.I.S. if 20 points were allowed for appeal, since an iris bloom might number high and yet leave the onlooker cold. But this seedling is lovely, even if the beauty of the falls is not fully seen; that, to me, would be the criticism and not the incurve.

The Iris Society has become onco-conscious as never before. Seedlings are in many places. Salbach has a lovely oncobred, Schreiner is introducing one, Kleinsorge had a number to bloom when I was there, and a lot of members are breeding them.

(*Notes on 1942 season, just received—Ed.*) I did not cold-storage the onco roots as intended last winter. It was not necessary, and it would have been no aid to the hardihood of garden survival.

SHERIFFA, the product of two half-breds, is therefore half onco itself. I would not suggest that it looks like an onco bloom—the general impression is pogon. This same remark would apply to many seedlings of this and lesser influence.

Some one-third onco seedlings this year are prosaically commonplace pogon. On the other hand, onco influence gives many a pleasing touch to pogon characteristics in many blooms that would not be suspected of it.

I have been told that the producer of the old-time intermediates claimed onco influence and was generally ha-ha'd. As for me, I believe that there is more marked onco influence in tall pogons than is generally credited.

The onco season of 1942 is pretty well over. It has created a wealth of work material on the whole, but little that I care to introduce and name as oncobreds.

My plantings this year are free of leaf spot. Four times last fall I hand-picked closely and sprayed. The last two times I used Calsul, a lime-sulphur-oil compound, that presents none of the difficulties of the lime-sulphur mixture. I hope I have found something.

CLARENCE G. WHITE.

Redlands, Calif.

Pollen on One Stigma Suffices

■ WHILE I think I have done quite well so far in hybridizing, there may be several points I could profit by. For instance, I found it was not necessary to apply pollen on all three stigmas—one would suffice. I tried this out last season and found out that it was true. This is, indeed, an important discovery for me since rare pollen will go much further. I also found out that Prof. Essig and Sidney Mitchell were applying pollen on all three stigmas before finding out that this was not necessary. Surely, this information would be welcome to the many iris hobbyists who breed iris.

I traveled about 75 miles last year to gather rare pollen, and the results were gratifying in that the transported pollen came through in excellent condition and went a long way since it was necessary to pollinate only one stigma.

Also, after experimenting a few years, I find that iris stalks left on plants after blooming help the plant tremendously since the juices travel down to the rhizomes and consequently give added strength for future blooms. As an example, two clumps of MELDORIC were studied. Stalks of one clump were cut immediately after blooming, and the other clump was left standing with stalks. The following years proved that the clump with stalks cut immediately after blooming gave terrible results, while the other clump provided me with excellent flowers and a larger number of bloom stalks. More experimenting will be undertaken and results noted and studied further.

CLIFFORD W. BENSON.

St. Louis Co., Mo.

IRIS INTRODUCTIONS OF 1941

Additions to List of Breeders and Introducers

- Bent— Harold T. Bent, 110 Edgell Rd., Framingham Center, Mass.
- Bowie— Bowie Landscape Service, 1513 W. Tioga St., Philadelphia, Pa.
- Fair.— Fairmount Iris Gardens (later Fairmount Gardens), 166 Fairmount Ave., Lowell, Mass. See also under Nes.
- Fay— O. W. Fay, 1522 Isabella St., Willmette, Ill.
- Grisso— Mrs. Alice V. Grisso, 1304 N. W. 16th St., Oklahoma City, Okla.
- Henry— Mrs. J. Norman (Mary G.) Henry, Gladwyne, Pa.
- Kanouse— A. N. Kanouse, Floravista, Route 3, Olympia, Wash.
- ACE OF SPADES. TB-M-B7D (Salb. 1941); Salb. 1941; R., 1941. (DAUNTLESS × MODOC) × (DARK KNIGHT).
- ACHIEVEMENT. Jap-Dbl-4BD (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).
- ADA LYONS. TB-M-S7M (Callis 1941); Callis 1941; R., 1940; (WILLIAM ASBURY × LOUIS PASTEUR); □ lil.
- ADELANTO. TB-E-M-Y6D (De Forest 1941); De Forest 1941; R., 1941; (DRUID × ALTA CALIFORNIA) × (NARANJA); **Don Jose** (De Forest); □ sl.
- ADVENTURE. TB-M-Y8M rev (Grant 1941); Fair. 1941; R., 1940; □.
- AGE-OLD CHARM. TB-M-R1L (Gers. 1941); Callis 1941; R., 1935; (MARGERY × MME. CHERI); □ lo.
- ALBERT. TB-M-B3D (Bommers. 1941); Bommers. 1941; R., 1940; (BUECHLEY GIANT × DOROTHY DIETZ).
- ALPHA. TB-E-WW (Wash. 1941); Fair. 1941; R., 1940; (WHITE GODDESS × MOUNT CLOUD); □.
- ALZA HOLA. TB-M-B6L (Snyder 1941); Snyder 1941; R., 1941; (EL CAPITAN × DÉPUTÉ NOMBLOT); □ sl.
- ANNA ELVIRA NASH. TB-La-W8L (Callis 1941); Callis 1941; R., 1939; (MABEL TAFT × MME. DE SEVIGNE).
- ANNA GAGE. TB-E-S6D (Gage 1941); Gage 1941; R., 1939; (W. R. DYKES × TARASCA).
- APHRA. TB-M-Y1M (Mit. 1941); Salb. 1941; R., 1941; (JEAN CAYEUX × ———).
- ARISTO. IB-EE-B9M (Wayman 1941); Wayman 1941; R., 1937.
- AUREAFOLIA. Jap-Sgl-4BD (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).
- AUREATE. IB-M-Y4M (Tobie 1941); Gage 1941; R., 1941.
- AUGUST WAVES. IB-Re-B9L (Brown 1941); Gage 1941; R., 1939; (AUTUMN ELF × MORNING SPLENDOR) × (AUTUMN ELF); □.
- AUTUMN FLAME. TB-Re-R1D (Sass-H.P. 1941); Sass-J. 1941; Hillson 1941; R., 1940; (fr. Seedlgs. fr. MORNING SPLENDOR × KING TUT); □.
- AZTEC GLORY. TB-MLa-R4M (Horton 1941); Irisdale 1941; R., 1940; (DAUNTLESS × RED CHIEF); □ sl.

BACHELOR GIRL. TB-La-W8D (Callis 1941); Callis 1941; R., 1940; (MARY H. DUNCAN × WILLIAM ASBURY); □ sw. p.

BALCIAE. Sib-W1 Stone-W.C. 1941.

BARBARA ELLEN. TB-M-S9M (Gage 1941); Gage 1941; R., 1941; (ALLU-MEUSE × SILVANUS); □ str.

BARKREST. TB-M-R7D (Gage 1941); Gage 1941; R., 1941; □ sl.

BLACK HAWK. TB-EE-B1D (Schreiner-R. 1941); Schreiner 1941; R., 1940; (LUTIN × BLACK WINGS).

BLUE DELIGHT. TB-MLa-B1M (Grant 1941); Fair. 1941; R., 1940; (GLORIOLE × SHINING WATERS); □.

BLUE PEARL. TB-E-B1L (Gers. 1941); Callis 1941; R., 1937; (GRATONE × DUSK); □ sl.

BLUE RIVER. TB-EE-B1M (Millik. 1941); Millik. 1941; R., 1941; (PURISSIMA × WISTARIA); □.

BLUSHING NYMPH. TB-La-R7L (Lap.-Gers. 1941); Callis 1941; R., 1933; (KALOS × DREAM); □ str. sw.

BREAK O'DAY. TB-M-S4L (Millik. 1941); Millik. 1941; □.

BRIGHT MELODY. TB-M-B1M (Snyder 1941); Snyder 1941; Callis 1941; R., 1940; (MELCHIOR × PIONEER); H.C.; A.I.S. 1940; □ sl.

BRONZSPUR. Spur-S4M (Nies 1941); Oakhurst 1941; R., 1940; (*ochroleuca* × *monspur*) two generations; H.M., A.I.S. 1941; **Bronz Spur**.

BROWN BONNET. TB-E-R6M (Gage 1941); Gage 1941; R., 1938; (KING MIDAS × ROSY WINGS); □ sl.

BROWN THRASHER. TB-La-M-S6M (Kirk. 1941); Vestal 1941; H.M., A.I.S. 1940.

BUTTERCUP LANE. TB-E-Y4D (Hall-D. 1941); Hall-D. 1941; R., 1939; ((RAMESES × JEAN CAYEUX) × (SALUTATION)) × (GOLDEN HIND); H.M., A.I.S. 1940; □.

CALIFORNIA PEACH. TB-M-Y7L (Salb. 1941); Salb. 1941; R., 1939; (NATOMA) × (MARY GEDDES × MISS CALIFORNIA); H.M., A.I.S., 1941; □.

CALIFORNIA TREK. TB-M-Y6M (White-C.G. 1941); Millik. 1941; R., 1939; (INCIGNITO × CHOSEN); H.M., A.I.S. 1939.

CAPTAIN WELLS. TB-M-La-R4D (Cook 1941); Long. 1941; R., 1941; (((MORNING SPLENDOR) × (SEMINOLE × CINNABAR)) × ((SEMINOLE × CINNABAR) × (SEMINOLE × MORNING SPLENDOR))) × (E. B. WILLIAMSON); □.

CARITA. TB-E-W4L (Gers. 1941); Callis 1941; R., 1934; (ANNE BULLEN × SHEKINAH); □ li.

CEDAR ROSE. TB-M-S7M (Whiting 1941); Whiting 1941; R., 1940; (MATULA × SUMMER TAN); H.C., A.I.S. 1940.

CHRYSLITE. TB-M-Y1L (Millik. 1941); Millik. 1941; R., 1941; (EASTER MORN × LADY PARAMOUNT); H.M., A.I.S. 1941; □ str.

CLEO MURRELL. TB-M-Y3M (Mur. 1941); Orp. 1941; R., 1941; (PERVANEH × (MOONLIGHT × BRUNO)); □ str.

COPPER FRILLS. TB-M-R4L (Whiting 1941); Whiting 1941; R., 1940; (GOLDEN LIGHT × LUX); □ str.

COPPER ORANGE. IB-M-R4M (Salb. 1941); Salb. 1941; R., 1941.

COPPER PINK. TB-M-S7M (Kellogg-W.M. 1941); Kellogg-W.M. 1941; R., 1939; (ROSY WINGS × Seedlg.).

COPPER ROSE. TB-M-R4M (Cook 1941); Long. 1941; R., 1941; (E. B. WIL-
LIAMSON × R Seedlg.); □.

COQUETRY. TMB-E-W8L (Schreiner-R. 1941); Schreiner 1941; R., 1940;
(*gatesii* × *lortetii*) × MIDWEST).

CORAL MIST. TB-EM-R4M (Grant 1941); Fair. 1941; R., 1940; (Pink Seedlg.
of TANGLO × PORTLAND); □.

Crepe de Chene. TB-B Kat. 1941.

DAINTY BESS. IB-M-B1L (Whiting 1941); Whiting 1941; R., 1940; Tab. I.
□ lo.

DAYBREAK. TB-M-R4L (Klein. 1941); Cooley 1941; R., 1941; ((FAR WEST
× ———) × (JEAN CAYEUX)) × (FAR WEST); □ str.

DAYSTAR. IB-EM-W4 (Wmsn. 1941); Long. 1941; R., 1941; Tab. I.

DESIRABLE. TB-M-W2D Millik. 1941.

Don Jose. (De Forest 1941); ADELANTO.

DORIS M. TAYLOR. IB-MLa-R3D (Gage 1941); Gage 1941; R., 1940, **Doris
Taylor**; □ str.

Dresden China. Jap-Dbl-1W1 Barr 1941.

EDNA HICKS. TB-EM-B9M (Gage 1941); Gage 1941; R., 1940; (SHIAWASSEE
× PURPLE GIANT); □ sl.

ETHEL D. STOUT. Jap-Dbl-3BM (Kemp 1941); Kemp 1941; (Harmony
(Kemp) × ALBOPURPUREA).

FAIR ROMANCE. TB-EM-S6M (Gers. 1941); Callis 1941; R., 1937; (DUSK ×
BRUNO); □ ve.

FAIR SKY. TB-E-M-B1L (Grant 1941); Fair. 1941; R., 1940; (GLORIOLE ×
SHINING WATERS); □ sl.

FALL BEAUTY. TB-E-Re-S3M (National 1941); National 1941; R., 1941; □ sl.

FIREBRAND. TB-VLa-S6D (National 1941); National 1941; R., 1941.

FORT KNOX. TB-M-Y4D (Millik. 1941); Millik. 1941; R., 1941 (SUNGOLD ×
CHOSEN); H.M., A. I. S. 1941.

FORTUNE. TB-M-S4L (Klein. 1941); Cooley 1941; R., 1941; (OLD PARCHMENT
× ((TUSCANY GOLD × ———) × (RAMESES))); □.

FRAMINGHAM. TB-M-B1L (Bent 1941); Bent 1941; R., (SOUV. DE LOETITIA
MICHAUD × BEUCHLEY GIANT) × (VENUS DE MILO); □.

FRECKLES. TB-M-S5L (Beech. 1941); Schreiner 1941; R., 1940; □ sl.

FROSTY BLUE. TB-M-B1L (Whiting 1941); Kellogg-W.M. 1941; R., 1940;
(GLORIOLE × SHINING WATERS); □.

FULL MEASURE. TB-La-Y4D (De Forest 1941); De Forest 1941; R., 1941;
(DY Seedlg. × JEAN CAYEUX).

GARDEN FLAME. TB-La-R9M (Sass-H.P. 1941); Schreiner 1941; R., 1940;
(fr. Seedlgs. fr. KING TUT); H.M., A. I. S. 1940.

GAY VAGABOND. TB-M-Y8D (Nes. 1941); Fair. 1941; R., 1939.

GERTRUDE WELCH. TB-M-S7L (Gage 1941); Gage 1941; R., 1941; (ALLUMEUSE
× SILVANUS); □ sl.

GILT EDGE. TB-M-W6L rev (Whiting 1941); Whiting 1941; R., 1940; (HAPPY
DAYS × MATULA); □ str.

GIRDLIAN'S CHOICE. TB-EM-B9D (Salb. 1941); Salb. 1941; R., 1941.

GITCHEE GUMEE. TB-M-B1M (Bent 1941); Bent 1941; R., 1941; (WINTER
SHADOWS × sister Seedlg.); □.

GLORISUN. TB-VLa-Y4D (Bent 1941); Bent 1941; R., 1941; (SILVANUS × GLORIOLE) × (SILVANUS × GLORIOLE; a sister Seedlg.); □.

GOLD SPANGLE. DB-Y Wass. 1941.

GRAND CANYON. TB-M-S4D (Klein. 1941); Cooley 1941; R., 1941; (TREASURE ISLAND × FAR WEST); □.

GRAND MARSHAL. TB-M-Y4D (Millik. 1941); Millik. 1941; R., 1941; (CHINA MAID × CHOSEN); □ sl.

HIGHLANDER. TB-M-R6D (Berry 1941); Berry 1941; R., 1938; (ROSE Madder × MAUNA LOA) × (DAUNTLESS); □.

HONEY. IB-M-Y6D (Smith-K. 1941); Fair. 1941; R., 1938; H.C., A. I. S. 1939. (DOXA × JEAN CAYEUX).

IOWA GLORY. TB-M-R4D (Snyder 1941); Snyder 1941; R., 1941; (MELCHOIR × TENEBRAE); □.

JINGO. TB-M-W8D rev (Tharp 1941); Tharp 1941; R., 1941; (JEAN HARRIETT) × (CAROLINA ROSE × MADAM X).

KATHARINE GAGE. TB-MLa-B9D (Gage 1941); Gage 1941; R., 1941; (DOROTHY DIETZ × SIR MICHAEL).

KLONDYKE GOLD. TB-M-Y4D (Kirk-Williams 1941); Vestal 1941; R., 1941; (MARVELOUS × —); □.

KNIGHT GALLANT. TB-M-R9M (Gers. 1941); Callis 1941; R., 1939; (KING JUBA) × (BRUNO × SHERBERT; U2); □ lo.

LADY NAOMI. TB-M-W2 rev (Fay 1941); Kellogg-W.M. 1941; R., 1940; (VIOLET CROWN × SHINING WATERS); □ sl.

LINDA. TB-EM-S1L (Gers. 1941); Callis 1941; R., 1938; (DULCIMER × SHEKINAH); □ lo.

LORI MAY. TB-M-S7M (De Forest 1941); De Forest 1941; R., 1941; (LIGHTHOUSE × SALAR); □ sl.

Loveliness. Jap-Dbl-5BM (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).

MAJENICA. TB-M-R4L (Cook 1941); Long. 1941; R., 1941; (((GEO. J. TRIBOLET × DOMINION) × (WINDHAM × —)) × (MME. CHERI × MORNING SPLENDOR)) × (MME. CHERI × MORNING)) × (((SUSAN BLISS) × (WINDHAM × —)) × (sib)) × (RAMESES)); □.

MALINCHE. TB-MLa-R3D (Gers. 1941); Callis 1941; R., 1936; (DUSK) × (BRUNO × SHERBERT); □ sl.

MAY NIGHT. DB-Re-B7D. Wass. 1941.

MELANIE. TB-M-S7M (Hillson 1941); Hillson 1941; Schreiner 1941.

MIDDAY. TB-M-La-R4L (Peckham 1941); R., 1939; (DOGROSE × Seedlg.).

MINNIE MERRELL. TB-EM-W8L (Gers. 1941); Callis 1941; R., 1938; (SWEET CICELY × SOMORRIN); □ sw.

MIRABELLE. TB-M-S9L (Whiting 1941); Whiting 1941; R., 1940; (MATULA × HAPPY DAYS).

MODESTA. TB-E-R6M (Gage 1941); Gage 1941; R., 1938; (CHEERIO × ROSY WINGS); □ sl.

MORNING CHARM. TB-E-R9L (Lap. 1941); Gage 1941; R., 1938; (Sass 30-18 × GRACE LAPHAM); □ sl.

MOUNTAIN SKY. TB-M-B1M (Millik. 1941); Millik. 1941; R., 1939; H.M., A. I. S. 1941; **Mountain Skies.**

MT. VERNON. TB-MLa-WW (Wash. 1941); Fair. 1941; R., 1937; (GUDRUN
× W Seedlg.); □ sl.

MULBERRY ROSE. TB-La-B7L (Schreiner-R. 1941); Schreiner 1941; R., 1940.

MY BLUE. Sib-B1D Stone-W.C. 1941.

NELSON OF HILLY. IMB-M-R8D (White-C.G. 1941); Millik. 1941; R., 1939;
(One. × Bearded); H.M., A. I. S. 1941; Tab. I.

OKLAHOMA SUNSET. TB-M-S9D (Grisso 1941); Callis 1941; R., 1940.

OMEGA. TB-VLa-W4 (Wash. 1941); Fair. 1941; R., 1940; (WILL O'THE
WISP × CATHEDRAL DOME); □ lil.

ORCHID. Eng-R7M (Kanouse 1941); Kanouse 1941.

ORDER OF THE PURPLE. TB-M-VLa-B9D (Ayres 1941); Wayman 1941; R.,
1935; (DOMINION × *mesopotamica*) × (DOMINION).

PEARL-GLO. TB-M-W9L (Wolfe 1941); A.V.G. 1941; R., 1936; (ADOBE ×
—); **Pearl Glo**; □.

PEE-TEE-BEE. TB-M-S4L (Bent 1941); Bent 1941; R., 1941; (CORONATION
× RED DOMINION); □.

PERSIAN PRINCE. TB-La-Y9D (Sass-H.P. 1941); Sass-J. 1941; R., 1940.

PHOEBE. TB-M-La-Y3D (Douglas G. 1941); Fair. 1941; R., 1940; (JEB STUART
× W Seedlg.); H.M., A. I. S. 1941; □ sl.

PINK MARVEL. TB-M-R4L (Lap. 1941); Irisdale 1941; R., 1938; (RAMESES
× EROS); □ M.

PLATINUM BEAUTY. TB-La-S1L (Schreiner-R. 1941); Schreiner 1941; R.,
1940; (K. V. AYRES × RAMESES).

POLLY PRIM. TB-EM-B7L (Gers. 1941); Callis 1941; R., 1934; (HIDEYO ×
GOLDEN HEART); □ lo.

POT O'GOLD. TB-MLa-Y4D (Grant 1941); Fair. 1941; R., 1940; (JELLOWAY
× —).

PREMIER. TB-M-Y3L rev (Millik. 1941); Millik. 1941; R., 1941; ((SWEET
ALIBI) × (AURIFERO × GRACE STURTEVANT)) × (CHOSEN); □.

RANCHO. TB-M-R1M (Millik. 1941); Millik. 1941; (MAUNA LOA × DAUNT-
LESS).

REDDENGOLD. TB-La-M-9YM (Kirk-Williams 1941); Vestal 1941; R., 1941; □.

RED FEATHER. TB-M-W8M (Gers. 1941); Callis 1941; R., 1937; (STEEPWAY
× CHASSEUR); □ sw.

RISING SUN. TB-M-R9M (Kirk. 1941); Vestal 1941; **Pink Glow**; □.

ROBINWOOD. TB-M-S9M (Kirk-Williams 1941); Vestal 1941; R., 1941; □.

Romeo. DB-E-B9M Starker 1941.

ROSE-BRONZE BLEND. TB-VLa-S9M rev (National 1941); National 1941; R.,
1941; □ v.str.

ROSE TOP. TB-La-W8M rev (Sass-H.P., 1941); Schreiner 1941; R., 1940; □ str.

ROSY LASS. TB-M-R9M (Bent 1941); Bent 1941; R., 1941; (ROSY WINGS
× JERRY); □.

ROUGE BOUQUET. TB-M-R7D (Whiting 1941); Whiting 1941; R., 1939;
(MATULA × GARDEN MAGIC).

ROYAL BANNER. TB-E-EM-B1D (Berry 1941); Berry 1941; R., 1937 (Do-
MINION × CONQUISTADOR) × ((SOUV. DE MME. GAUDICHAU) × (*meso-
potamica* × LENT A. WILLIAMSON); □.

RUBY GLOW. TB-EE-R7D (Schreiner-R. 1941); Schreiner 1941; R., 1940; (GRACE STURTEVANT × GRAMINEA).

RUSSETT. TB-E-Y9D (Bommers. 1941); Bommers. 1941; R., 1940; (NÉNE × PARTHENON).

SALMON DELIGHT. TB-M-R4L (Bent 1941); Bent 1941; R., 1941; (MIDGARD × ALTA CALIFORNIA); □.

SALMON SPLENDOR. TB-M-R4L (Lap. 1941); Schreiner 1941; R., 1939; (NOWETA) × (MIDGARD × APHRODITE); □ sl.

SAUGATUCK. Spur-Y2M (Nies 1941); Oakhurst 1941; R., 1940; (*ochroleuca* × *monspur*) two generations; H.M., A. I. S. 1941; **Sangatauk**.

SEA BLUE. TB-M-B1M (Whiting 1941); Whiting 1941; R., 1940; (MISSOURI × SHINING WATERS); □.

SILVER SUSIE. TB-M-W4 (De Forest 1941); De Forest 1941; □ sl.

SILVERY TWILIGHT. TB-ME-R1L (Schreiner-R. 1941); Schreiner 1941; R., 1940; (RAMESES × sister Seedlg. of EL TOVAR) × ((GUDRUN) × (WAMBLISKA × RAMESES)).

SOPHIE LUNDQUIST. TB-EE-S3L (Gers. 1941); Callis 1941; R., 1938; (MARGERY × MME. CHERI); □ li.

SPOTTIE. TB-M-S1M (Bommers. 1941); Bommers. 1941; R., 1940; (BLUE VELVET × MIDGARD).

SPRING SECRETARY. TB-M-S4L (White-C.G. 1941); Millik. 1941; R., 1940; (FIESTA × CHOSEN); H.M., A. I. S. 1941; □ sl.

SPRING SPRITE. IB-E-Y3M (Kellogg-W.M. 1941); R., 1941; Tab. I.

STARBRIGHT. TB-La-Y5M rev (Douglas-G. 1941); Fair. 1941; R., 1940; (SOLDANO × CHINA CLIPPER); □.

STARDOM. TB-M-S7L (Hall-D. 1941); Hall-D. 1941; R., 1939; (DAUNTLESS × RAMESES; Sass Seedlg. 30-40) × MAY DAY); H.M., A. I. S. 1940; □.

STARLESS NIGHT. TB-M-La-B7D (Sass-J. 1941); Sass-J. 1941; R., 1940; ((THE RED DOUGLAS × Seedlg.) F2); □ sl.

ST. BRIDE. TB-M-W4 (Meyer-H.R. 1941); Meyer-H.R. 1941; R., 1941; □.

ST. CLEMENT. TB-M-La-R6D (Meyer-H.R. 1941); Meyer-H.R. 1941; R., 1941.

Stylosa Marginata Alba. Ung-WW Starker 1941; UNGICULARIS MARGINATA ALBA.

SUNDAY BEST. TB-MLa-Y4L (Grant 1941); Fair. 1941; R., 1940; (Hall-D. No. 36-34 × EVERGOLD); □ str.

SUNNYVALE. TB-M-Y4L (Nes. 1941); Fair. 1941; R., 1940; (MOUNT CLOUD × SUNDUST); □.

SUNSET LIGHTS. TB-M-S9L (Gers. 1941); Callis 1941; R., 1937 (MARGERY × MME. CHERI); □ lo.

SUN SPOT. TB-LaM-Y4D (Grant 1941); Fair. 1941; R., 1939; (JEAN LAFITTE × W. R. DYKES) × (OPALINE × ALICE HARDING); H.M., A. I. S. 1941; □ sl.

SUTTER'S GOLD. TB-M-Y6M (Salb. 1941); Salb. 1941; R., 1941; (DAUNTLESS × W. R. DYKES) × (NATOMA).

suworrowi. Bowie 1941; *I. darwascia*.

SWEET SPRING. DB-La-B1D (Horton 1941); Irisdale 1941; R., 1940; □ str.

SYMBOL. TB-M-Y4D (White-C.G. 1941); Millik. 1941; R., 1939; (NARANJA × FIESTA); H.M., A. I. S. 1939.

THE ADMIRAL. TB-M-B1D (Hall-D. 1941); Hall-D. 1941; R., 1938; (SENSATION) × (SELENE × WAMBLISKA); H.M., A.I.S. 1940; □.

Thunderstorm. Jap-Dbl-7R1D Wayman 1941.

TITIAN LADY. TB-M-La-WW (Douglas-G. 1941); Fair. 1941; R., 1940; (VENUS DE MILO × W Seedling); H.M., A.I.S. 1941.

TOP SERGEANT. TB-M-R6D (Kirk-Williams 1941); Vestal 1941; R., 1941; □.

TOWER OF JEWELS. TB-M-Y9M (Salb. 1941); Salb., 1941; R., 1941; (PLURAL BELLE) × (BRONZE BEACON × SAN FRANCISCO).

Tricolor. Eng-B9M rev (Kanouse 1941); Kanouse 1941.

TROUBADOR. TB-M-S4M (Millik. 1941); Millik. 1941; R., 1941; (SUNGOLD × CHOSEN); □.

UNGUICULARIS MARGINATA ALBA. Ung-WW Starker 1941; **Stylosa Marginata Alba.**

VERNAL DAWN. Ver.-R7L (Henry 1941); Fair. 1941; R., 1941; (form of *I. verna*); □.

VERNAL SNOW. Ver.-WW (Henry 1941); Fair. 1941; R., 1941; (form of *I. verna*); □.

VIRGINIA WHITE. TB-M-W1 (Sim. 1941); Sim. 1941; R., 1941; (PURISSIMA × PICADOR).

WAKARUSA. TB-M-R6M (Lap. 1941); Schreiner 1941; R. 1940; (MARY GEDDES × RED GLEAM); H.M., A. I. S. 1941; □ sl.

WAMBA. TB-EM-B7D (Gage 1941); Gage 1941; R., 1940; (GRACE STURTEVANT × —).

WHITE BEARD. TB-La-WW (Callis 1941); Callis 1941; R., 1940; (WHITE FROST × MARY H. DUNCAN); □ or.

WHITE PERFECTION. TB-VLa-WW (National 1941); National 1941; R., 1941; (GUDRUN × BUECHLEY GIANT).

WHITE SUNBONNET. TB-E-WW (Horton 1941); Irisdale 1941; R., 1941; (PURISSIMA × Sass 35-29).

WINTER CARNIVAL. TB-MLa-W1 (Schreiner-R. 1941); Schreiner 1941; R., 1940; (VIOLET CROWN × EASTER MORN); □ p.

YELLOW FELLOW. DB-YL Stone-W.C. 1941.

ZORANA. TB-M-S6M (Gers. 1941); Callis 1941; R., 1936; (GOLDEN HEART × NATASHA); □ me.

ETHEL ANSON S. PECKHAM.

FOREWORD TO MEMBERSHIP LIST—1942

■ THIS MEMBERSHIP list is prepared as of March 1, 1942. It is an alphabetical list of all members who were in good standing in 1941, and includes new members added in 1942.

The following explanation in regard to dates and symbols should be noted. H indicates an Honorary Member. C indicates a Charter Member. L indicates a Life Member. C-L indicates a Life Member from the beginning of the Society's organization. The date represents the beginning of continuous membership. If you were a member in 1925, dropped out and rejoined in 1933, your date stands as 1933. If membership has changed within a family, the date is that for the last name.

—HOWARD R. WATKINS, *Secretary*

ALPHABETICAL LIST AS OF MARCH 1, 1942

- C Abrams, Mrs. E. W., Old Place, Woodbury, Conn.
1937 Achilles, Mrs. Gertrude, Fountain Oaks, Morgan Hill, Calif.
1937 Acree, Mrs. Charles, Alligator, Miss.
1938 Acree, Mrs. Russell, R. R. No. 4, Dayton, Ohio.
1941 Adams, Mr. C. D., 1507 Alice St., Wauwatosa, Wis.
1940 Adams, Mr. W. E., Buffalo Grove, Prairie View, Ill.
1940 Addis, Mr. Albert L., Box 36-A, R. R. No. 4, Albion, Ind.
1934 Aeppli, Mr. W. A., International Minorea Club, Plymouth, Ind.
1937 Akin, Mrs. Anna B., Dumont, Iowa.
1940 Albright, Mrs. James, 174 Foster St., Mansfield, Ohio.
1933 Alder, Mr. T. P., 96 Llewellyn Road, Montclair, N. J.
1938 Aldredge, Mrs. Geo. N., 5500 Swiss Ave., Dallas, Texas.
1941 Alexander, Mrs. A. B., 319 East Main St., Spartanburg, S. C.
1934 Alexander, Mrs. J. C., Jefferson, Georgia.
1940 Alford, Dr. Joseph W., Jr., 1219 Bennie Dillon Bldg., Nashville, Tenn.
1940 Alford, Mr. William C., Forsythe Ave., Bellemeade, Nashville, Tenn.
1931 Allen, Mr. George M., 1915 W. Magnolia Ave., San Antonio, Texas.
1940 Allum, Mr. James F., 437 Gilman Rd., El Monte, California.
C Altamer, Mrs. Wm. H., 1511 Groesbeck Rd., College Hill, Cincinnati, O.
1938 Althans, Mrs. E. H., 151 Rhode Island Ave., Detroit, Mich.
1939 Alverstrom, Mr. George L., 8357 Constance Ave., Chicago, Ill.
1938 American Gardener's Association, 1918 Lake Ave., Wilmette, Ill.
1942 Anderson, Mrs. A. E., 428 W. 4th St., Spencer, Iowa.
1941 Anderson, Mr. James L., 718 Academy St., Newark, Del.
1941 Anderson, Mr. Louis I., 7017 Overhill Ave., Chicago, Ill.

- 1940 Anthony, Mr. A. E., 405 Orchard St., Dowagiac, Mich.
 1940 Appel, Mr. E., 6538 Marmaduke Ave., St. Louis, Mo.
 1934 Arbuckle, Mrs. J. H., 1255 Sunbury Rd., Columbus, Ohio.
 1938 Armistead, Miss Elizabeth, 2015 Wolfe St., Little Rock, Ark.
 1924 Ashley, Mr. R. V., 172 Grand Blvd., Battle Creek, Mich.
 1940 Atkins, Miss Johnette, 901 Cedar Hill, Dallas, Texas.
 1939 Avery, Mr. G. L., 205 S. Fourth, Chillicothe, Ill.
 1939 Avis, Mr. Floyd D., 1006 W. Washington, Jackson, Mich.
 1936 Auten, Mr. Charles H., 208 S. La Salle St., R. 2036, Chicago, Ill.
 L Ayres, Dr. W. McL., Box 106, Wooster Pike Sta., Cincinnati, Ohio.
- 1940 Babson, Mrs. Fred K., 183 Addison Rd., Riverside, Ill.
 1926 Bach, Mrs. Lelia M., 1111 E. Grove St., Bloomington, Ill.
 1928 Bachman, Mrs. James R., 2646 Alston Drive, Atlanta, Ga.
 L Bagg, Mrs. A. C., 72 Fairfield Ave., Holyoke, Mass.
 1939 Bailey, Mr. Arthur, Monroe, Wash.
 1921 Bailey, Dr. L. H., Ithaca, N. Y.
 1936 Bailey, Mr. Norman Sprague, 16 Nepouset Ave., Hyde Park, Boston, Mass.
 1939 Baird, Mr. Roy A., P. O. Box 1043, Oklahoma City, Okla.
 1942 Baird, Mrs. Sydney S., 3549 Southwestern Blvd., Dallas, Texas.
 1940 Baker, Mrs. Donald V., 686 Centre St., Newton, Mass.
 1939 Baker, Mrs. G. C. 401 W. Filmore, Winterset, Iowa.
 1928 Baker, Mr. S. Houston, 3rd., 230 Denman Rd., Cranford, N. J.
 1940 Bankston, Mrs. W. Troy, Academy Springs Drive, Covington, Ga.
 1941 Banyard, Prof. Frank H., 802 Besgrove Ave., Fayette, Mo.
 1929 Barbee, Mrs. H. A., Point Pleasant, W. Va.
 1942 Barber, Mrs. O. C., 116 Fenner Ave., Asheville, N. C.
 1941 Barker, Mr. M. J., 66 Summit St., Newton, Mass.
 1939 Barlow, Mr. John J., 2803 Woolsey St., Berkeley, Calif.
 1940 Barn, Mr. David, Barnes Hospital, 600 S. Kingshighway, St. Louis, Mo.
 1927 Barnes, Mrs. James, Princeton, N. J.
 1941 Barrett, Dr. Earl E., 810 Fidelity Bldg., Duluth, Minn.
 1940 Barrett, Mrs. L. R., Box 145, Bossier City, La.
 1940 Barrett, Mrs. Steve J., 6509 Midway Rd., Rt. 7, Dallas, Texas.
 1938 Barth, Mr. George C., 60 Mill St., Amityville, L. I., N. Y.
 1938 Barth, Mrs. John W., 5015 California St., Omaha, Neb.
 1927 Bassett, Capt. Charles K., 278 Depew Ave., Buffalo, N. Y.
 1939 Bassett, Mr. E. J., 2050 Butte St., Redding, Calif.
 1940 Baugh, Mrs. Thomas W., 3625 North McKinley, Oklahoma City, Okla.
 1940 Bautz, Mr. Marshall, 722 North Broadway, Milwaukee, Wis.
 1938 Baxter, Mr. Frank J., 554 Westminster Ave., Elizabeth, N. J.
 1937 Baxter, Mrs. J. Barry, 300 Lighthouse Road, Gordon Hights., Wilmington, Del.
 1941 Bayer, Mr. H. M., Box 325, Midland, Texas.
 1942 Beach, Mr. Earl F., Johnston Rd., Wilkinsburg, Pa.
 1925 Bear, Mr. Charles U., 654 Putnam Ave., Detroit, Mich.
 1941 Beaumont, Mrs. R. S., So. Highland Ave., Oakdale, Pa.

- 1939 Becherer, Mr. Jos., 4809 Hamburg St., St. Louis, Mo.
 1937 Beck, Mr. Edgar S., 1105 W. Miss Ave., N. Chattanooga, Tenn.
 1940 Becker, Miss Mary A., 2620 Denver Ave., Kansas City, Mo.
 1940 Behrens, Mrs. Henry, 1511 Washington St., Lincoln, Nebr.
 1939 Bell, Mrs. James W., Tanglewood Farm, Route No. 2, Paris, Texas.
 1930 Belsley, Mr. Ray J., 2417 Seventh Ave., Peoria, Ill.
 1936 Bender, Mrs. A. W., 715 Washington Rd., Grosse Pointe, Mich.
 1926 Benners, Mrs. Wm. H., 336 No. Lancaster Ave., Dallas, Texas.
 1925 Bennett, Mr. James E., 1106 Union Bank Bldg., Youngston, Ohio.
 1942 Benson, Mr. Clifford W., 1201 Vera Place, Saint Louis County, Mo.
 1940 Benson, Mr. Joe C., Olney, Texas.
 L Benson, Mr. William S., 663 Main Ave., Passaic, N. J.
 1938 Bent, Mr. Harold T., Edgell Rd., Framingham, Mass.
 1940 Bentley, Mrs. Bonnie, 2006 E. Franklin St., Evansville, Ind.
 1940 Berger, Dr. B. J., 3916 Stonelindge Dr., Dallas, Texas.
 1941 Black, Mrs. W. E., 3518 Spring Brook, Dallas, Texas.
 L Blake, Mrs. Anson S., Arlington Ave. & Rincon Rd., Berkeley, Calif.
 1935 Blake, Mrs. L. J., "Three Oaks," Spartanburg, S. C.
 1937 Blakeslee, Miss A. M., Route No. 4, Nampa, Idaho.
 1942 Bliss, Miss Phyllis F., 112 Almendral Ave., Menlo Park, Calif.
 1940 Blodgett, Mr. A. G., 934 Oakland Ave., Waukesha, Wis.
 1940 Bloese, Mr. A. F., 128 Roseneath Ave., Battle Creek, Mich.
 C-L Bogert, Mr. Marston T., Havemeyer Hall, Columbia Univ., New York,
 N. Y.
 1939 Bommersbach, Mr. John N., 703 Greenwood Ave., Decatur, Ill.
 1935 Bonnell, Miss Valeria, 1616 S. 21st St., Lincoln, Neb.
 1942 Boone, Mrs. C. R., 108 W. Martin St., Raleigh, N. C.
 1942 Borchardt, Mrs. A. L., 2525 Tolar St., Vernon, Texas.
 1926 Bowen, Miss Leila P., 194 Waterman St., Providence, R. I.
 1931 Bower, Mr. Clyde M., 3305 W. Washington St., Indianapolis, Ind.
 1934 Bowman, Dr. J. L., City Hall, Montgomery, Ala.
 1942 Brackin, Mr. Alton V., 175 Howeland Circle, Danville, Va.
 1938 Branch, Mrs. Christine C., 105 Maple Ave., Newport News, Va.
 1928 Branson, Mr. Joseph M., 3858 East 62nd St., Kansas City, Mo.
 1935 Brenen, Rev. E. H., 15 Clifton Court, Redlands, Calif.
 1925 Bretschneider, Mr. Edw. H., 1388 Bryden Rd., Columbus, Ohio.
 1939 Brewer, Mr. S. A., 1110 N. W. 31st St., Oklahoma City, Okla.
 C-L Brewster, Mrs. Walter S., Covin Tree, Lake Forest, Ill.
 1935 Brickman, Mrs. John, 769 Penn Ave., N. W., Atlanta, Ga.
 L Brinton, Mrs. Willard C., 36 West 59th St., New York, N. Y.
 1942 Broe, Mrs. Edgar Peter, Tarboro, N. C.
 1937 Brouwer, Mrs. William B., 112 Donaldson Ave., Rutherford, N. J.
 1931 Brown, Dr. G. Percy, Barre, Mass.
 L Brown, Mrs. H. Fletcher, 1010 Broome St., Wilmington, Del.
 1936 Brownell, Mr. M. J., Mt. Upton, N. Y.
 L Buck, Mrs. C. Douglass, Buena Vista, Wilmington, Del.
 1940 Bugg, Dr. Colden S., 292 De Loach, Memphis, Tenn.
 1942 Bumpass, Mrs. H. S., Ashland, Va.

- 1938 Buneaux, Mr. John A., 8331 Constance Ave., Chicago, Ill.
- 1940 Burch, Mrs. Wava, Box 213 Centerville, S. Dak.
- 1942 Burke, Mrs. Lola E., 408 E. High St., Urbana, Ill.
- 1934 Burtner, Mr. R. H., 1904 Irving St., N. W., Washington, D. C.
- 1939 Burnill, Mrs. Berta, 6526 38th Ave., S. W., Seattle, Wash.
- 1941 Burns, Mrs. E. W., 805 Moorland Rd., Okmulgee Okla.
- 1942 Burns, Mr. Lloyd H., 2019 Ward Parkway, Fort Worth, Texas.
- 1940 Burton, Mrs. Charles W., 19440 Afton Rd., Palmer Woods, Detroit, Mich.
- 1925 Burton, Mrs. J. H., East Islip, Long Island, N. Y.
- 1938 Bush, Lt. Col. Geo. P., 65 Beech Ave., Bethesda, Md.
- 1940 Buss, Mr. Walter E., Edenwald Orchards & Gardens, Vincennes, Ind.
- 1928 Butterfield, Mrs. L. W., 2234 Upland Drive, Cedar Rapids, Iowa.
- 1935 Butterworth, Mr. Henry, 36 North Parkway, Worcester, Mass.
- 1940 Buttrick, Mr. Stedman, Liberty St., Concord, Mass.
- 1939 Buxton, Mrs. Walter H., 643 Marshall Ave., Webster Groves, Mo.
- 1934 Buzzard, Mr. Robert G., Eastern Illinois State Teachers College, Charleston, Ill.
- 1935 Byers, Mr. W. A., 238 Fifth Ave., Council Bluffs, Iowa.
- 1938 Byous, Mr. E. A., 817 Garden St., St. Joseph, Mo.
- 1929 Cahoon, Mr. Wm. F., 1130 11th Ave., So., Birmingham, Ala.
- 1938 Caillet, Mrs. Laura, 4904 Lovers Lane, Dallas, Texas.
- 1941 Cain, Miss Grace E., 910 North Ave., Wilksburg, Pa.
- 1937 Cairy, Mr. L. N., Eagle Grove, Iowa.
- 1921 Caldwell, Mr. Charles H., 55 Warren Place, Montclair, N. J.
- 1941 Caldwell, Mrs. Sam S., 230 Ockley Dr., Shreveport, La.
- 1940 Caldwell, Mr. Sam Y., Kirkwood Road, Nashville, Tenn.
- 1940 Caldwell, Mr. Wentworth, 500 Second Ave., N. Nashville, Tenn.
- 1935 Calhoun, Mrs. F. P., 2906 Andrew's Drive, Atlanta, Ga.
- 1939 Calhoun, Mr. Robert L., 523 Central Ave., New Haven, Conn.
- 1933 Callis, Mrs. Ella W., Wild Rose Iris Garden, Route 5, St. Joseph, Mo.
- 1939 Campbell, Mrs. Hugh B., 1245 Pacific Terrace, Klamath Falls, Ore.
- 1938 Campbell, Mrs. J. S., Clearview Farm, R. D. 1, Butler, Pa.
- 1940 Campbell, Mrs. Robert, Route 2, Cave Spring, Ga.
- 1941 Campbell, Mrs. Russell, 2926 Dickerson Rd., Nashville, Tenn.
- 1942 Candler, Mr. S. C., Madison, Ga.
- 1940 Cannon, Mr. Gabriel, Spartanburg, S. C.
- 1941 Cappel, Dr. Herman, Nelson Tower, 450 Seventh Ave., New York, N. Y.
- 1939 Cappeller, Mr. Edward B., 1731 El Cerrito Pl., Hollywood, Calif.
- C-L Carlson, Mr. Carl Oscar, 149 Beach Road, Fairfield, Conn.
- 1938 Carpenter, Mr. Carl, 209 West Eighth St., Owensboro, Ky.
- 1938 Carruth, Mr. Charles M., 351 Brook St., Worcester, Mass.
- 1938 Carter, Miss Ashley C., 2605 Gosnold Ave., Norfolk, Va.
- 1942 Caruth, Mrs. W. W., R. D. 5, Box 333, Dallas, Texas.
- L Case, Miss M. R., Hillcrest Gardens, Weston, Mass.
- 1932 Cassebeer, Mr. Fredrick W., 953 Madison Ave., New York, N. Y.
- 1934 Casselman, Dr. Arthur J., 301 N. 2nd St., Camden, N. J.

- 1929 Cermak, Mr. Joseph G., 46 Pine St., Baldwin, L. I., N. Y.
 1939 Chaffee, Mrs. F. M., Middlesex, N. Y.
 1926 Chatterton, Mr. Allen W., 26 Kossuth St., Pawtucket, R. I.
 1941 Cheatham, Mr. B. Morris, 4536 Aready, Dallas, Texas.
 1940 Cheek, Mrs. Newman, Sherwood Forest, Nashville, Tenn.
 1941 Childs, Mr. C. Osborne, 4 South St., Easthampton, Mass.
 1935 Chowning, Mr. Frank E., 2110 Country Club Lane, Little Rock, Ark.
 1940 Christy, Mr. Bert, 802 Worthington Place, Omaha, Nebr.
 1934 Church, Mrs. M. L., 1626 Queens Rd., West, Charlotte, N. C.
 1936 Claar, Mr. Elmer A., 1301 Chestnut St., Wilmette, Ill.
 1940 Clark, Mrs. A. C., 408 East Church St., Harrisburg, Ill.
 1941 Clark, Mr. E. L., 619 Emerson St., Evanston, Ill.
 1933 Clark, Mr. Carl W., Woodbridge, Conn.
 C Clark, Mrs. Wm. E., The Treetops, Sharon, Mass.
 1937 Clarke, Mr. George F., 606 Philadelphia St., Covington, Ky.
 1927 Clarke, Mrs. Oliver C., Westwind, R. D. 2, Springfield, Ohio.
 1932 Clarke, Mr. Stanley C., 10 Los Arboles Rd., Albuquerque, N. Mex.
 1942 Clayton, Miss Beatrice, Rt. 1, Box 54, Suisun, Calif.
 1940 Clements, Mr. G. R., 7 Thompson St., Annapolis, Md.
 1938 Clevenger, Dr. Lewis, 824 E. Patterson Ave., Kirksville, Mo.
 1939 Clifford, Mrs. Paul C., 541 Upper Mountain Ave., Upper Montclair,
 N. J.
 1940 Cline, Mr. Everett L., 991 S. Columbine St., Denver, Colo.
 1936 Clinefelter, Mr. Robert O., 1541 S. 26th St., Omaha, Nebr.
 1935 Cluff, Mr. W. B., 961 Hildale, Berkeley, Calif.
 1928 Clutton, Mrs. Fred H., 589 Kimball Rd., Highland Park, Ill.
 1937 Clymer, Mrs. F. H., R. 3, Wilmington, Del.
 1926 Cobb, Mr. W. R., 317 Zorn Ave., Louisville, Ky.
 1941 Cochran, Mr. Bolie, 7620 Lemmon Ave., Dallas, Texas.
 1940 Cochran, Mrs. J. R., Lemmon Ave Rd., Rt. 5, Dallas, Texas.
 C Coc, Mrs. Theodore Irving, 4000 Cathedral Ave., N. W., Washington,
 D. C.
 1931 Coleman, Mrs. H. A., 717 Ferndale Ave., Johnstown, Penna.
 1939 Collier, Mr. H. L., 101-102 Co-City Bldg., Seattle, Wash.
 1938 Colquitt, Mrs. Walter, 487 Albany, Shreveport, La.
 1934 Colyer, Mrs. E. S., 160-44 121st Ave., Jamaica, N. Y.
 1938 Comstock, Mr. R. J., R.R. No. 1, St. Charles, Ill.
 1933 Conant, Mrs. Bessie G., 696 Washington St., Whitman, Mass.
 1941 Conklin, Mrs. Charles A., 1190 Peachtree St., N. E., Atlanta, Ga.
 1940 Conn, Mrs. Sidney M., Newry Farm, Newark, Del.
 1931 Connecticut College, Dept. of Botany, New London, Conn.
 C Connell, Mr. Clarence P., 2001 Grand Ave., Nashville, Tenn.
 1941 Connell, Mrs. W. E., % Charity Hospital Home, 1239 Murphy St.
 Shreveport, La.
 1939 Conner, Mrs. Frank H., 405 Highland Ave., St. Joseph, Mo.
 1935 Conover, Mr. Herbert L., 672 Ridgewood Rd., Oradell, N. J.
 1934 Cook, Dr. Franklin, 636 Church St., Evanston, Ill.
 C Cook, Mr. Paul H., Bluffton, Ind.

- 1942 Cook, Mr. Roy Jay, 2131 Orrington Ave., Evanston, Ill.
 1937 Cooley, Mr. R. M., 810 North Water St., Silverton, Ore.
 1940 Cooney, Mrs. Frank, 4308 W. Potomac, Dallas, Texas.
 1940 Cooper, Mr. W. E., Richfield Bldg., Los Angeles, Calif.
 1935 Coppens, Mr. Perry, Flanders Farm, Milford, N. J.
 1937 Corey, Mrs. P. E., 7 Cliff St., Winchester, Mass.
 1941 Cox, Mr. Chalmers, R. R. No. 2, Auburn, Nebr.
 L Crocke, Dr. William, Boyce Thompson Inst., 1086 N. Broadway, Yonkers, N. Y.
 1940 Crockett, Mrs. Joseph M., 165 Maple Ave., Welch, W. Va.
 1938 Crook, Mrs. Maud L'Anphere, Box 985, Stanford University, Calif.
 1942 Crossett, Mrs. R. E., Soper, Okla.
 1939 Crowell, Mr. Christie B., 17 Webster St., Middleboro, Mass.
 1933 Culpepper, Mr. C. W., 4435 N. Pershing Dr., Arlington, Va.
 1942 Cunningham, Mr. Elmer T., Elmarge, Del Monte, Calif.
 1932 Currier, Mrs. E. C., 2115 Summit Ave., Sioux City, Iowa.
 L Currier, Miss Hansen, 2115 Summit Ave., Sioux City, Iowa.
 1941 Cushman, Miss Clarissa F., Eleven East Ave., Ithaca, N. Y.
 1941 Czarnowsky, Mr. Herbert F., 2709 Overland Ave., Baltimore, Md.
- 1940 Damon, Mr. Everett L., Flora Vista Gardens, Box 176, Bellevue, Nebr.
 L Dane, Mr. E. B., 6 Beacon St., Boston, Mass.
 C-L Dane, Mrs. Ernest B., Boughwood, Chestnut Hill, Mass.
 1942 Danforth, Mr. Edward J., Califon, N. J.
 1936 Daniels, Mr. Edgar, 2309 Catalpa Drive, Dayton, Ohio.
 1941 Davidson, Mr. C. M., 9208 Flower Ave., Silver Spring, Md.
 1935 Davis, Mrs. Bertha Y., 806 Grove St., Worcester, Mass.
 1939 Davis, Mrs. Everett, P. O. Box 135, Lafayette, La.
 1939 Davis, Mrs. Maslin, 504 12th St., S. W., Roanoke, Va.
 1937 Davis, Mr. Montgomery, 148 S. Bristol Ave., West Los Angeles, Calif.
 1938 Day, Mr. W. L., 2037 Goodrich Ave., St. Paul, Minn.
 L Debevoise, Mrs. Thomas M., Green Village, N. J.
 1941 DeCamp, Mrs. Irene A., Box 20, Meadow Grove, Nebr.
 1929 Decker, Prof. Charles E., 508 Chautauqua Ave., Norman, Okla.
 1940 Decker, Mr. Lloyd V., Hill Grove Farm, Goddard, Kansas.
 1931 De Forest, Mr. Fred, Irisnoll, R. No. 1, Monroe, Ore.
 1933 deGraaff, Mr. Jan, Oregon Bulb Farms, Sandy, Ore.
 1942 Denman, Mrs. Gilbert, Mocking Bird Lane, San Antonio, Texas.
 1942 Dewire, Mrs. Francis S., 625 Bryson St., Youngstown, Ohio.
 1939 Dibble, Mrs. Barry, 120 E. Palm Ave., Redlands, Calif.
 1937 Dickinson, Mrs. Charles C., Malden, W. Va.
 1941 Dickinson, Mr. Ed., 1555 Claiborne Ave., Shreveport, La.
 1940 Diefenbach, Mr. Allan B., 356 Rose Blvd., Akron, Ohio.
 1939 Dittman, Mr. W. Jay, 16721 Kentfield Ave., Detroit, Mich.
 L Dodge, Mrs. J. L., Hollywood Farm, Lexington, Ky.
 1928 Dole, Mr. W. Herbert, 23 Overlook Ave., West Orange, N. J.
 1932 Dolman, Mr. John, Jr., 304 Vassar Ave., Swarthmore, Penna.
 1939 Donahue, Mr. Gerald J., 134 S. Cuyler Ave., Oak Park, Ill.

- 1940 Dore, Mrs. Matilda B., 3139 Holly St., Shreveport, La.
 1942 Dormon, Miss Caroline, Saline, La.
 1940 Doseher, Mrs. Charles, Box 418, Huntington, L. I., N. Y.
 1926 Doub, Mr. M. Berry, Hearthstone Farm, Route No. 4, Hagerstown, Md.
 1934 Douglas, Mr. Geddes, 440 Chestnut St., Nashville, Tenn.
 1940 Douglas, Mrs. Geddes, Hill Road, Brentwood, Tenn.
 L Douglas, Mr. M. E., 511 Rugby Place, Woodbury, N. J.
 C Dumont, Mrs. W. G. 225 37th St., Des Moines, Iowa.
 1941 Dunham, Mr. Chester M., 2 Chesterbrook Rd., Waltham, Mass.
 1941 Dunham, Mrs. Chester M., 2 Chesterbrook Rd., Waltham, Mass.
 1942 Dunlap, Miss Gladys L., 683 Marioncourt Drive, Highland Park, Ill.
 1928 Dunman, Mr. W. H., Agric. College, Lincoln, Nebr.
 1921 duPont, Mrs. E. Paul, Squirrel Run Hill, Montchanin, Del.
 C-L duPont, Mr. H. F., Winterthur, Del.
 1937 duPont, Mrs. Irenée, Granogue, Del.
 L duPont, Mrs. Pierre S., Kennett Square, Penna.
 L duPont, Mrs. W. K., Box 52 Wilmington, Del.
 1933 Durkee, Miss Gladys A., 27 Mountain St., West, Worcester, Mass.
 1940 Durrast, Miss Clara A., 143 Old Dam Road, Fairfield, Conn.
 1939 Dvorak, Dr. J. E., 408 Davidson Bldg., Sioux City, Iowa.
 1935 Dysart, Mr. Russell D., 134 Princeton St., Ontario, Calif.
- 1934 Earheart, Miss Sadie B., The Flower Patch, Christiansburg, Va.
 1931 Eddy, Mrs. Elizabeth H. S., 27 First St., Troy, N. Y.
 1939 Edens, Mr. Boyce M., 2694 Lenox Rd., N. E., Atlanta, Ga.
 1941 Edgar, Mrs. T. C., 1109 Texas St., Pine Bluff, Ark.
 1940 Edgecombe, Mr. S. W., 427 Lynn Ave., Ames, Iowa.
 1941 Edwards, Mrs. John M., Box 552, Morgan Hill, Calif.
 1928 Egelberg, Mr. Leo J., 142 S. 6th St., La Crosse, Wis.
 1941 Ehrig, Mrs. Charles, 1013 Avenue C, Council Bluffs, Iowa.
 1941 Ellis, Mrs. R. T., 1127 Third Ave., N., Great Falls, Mont.
 1938 Ellyson, Dr. Craig D., 801 Black Bldg., Waterloo, Iowa.
 C Emigholz, Mrs. J. F., R. R. No. 10, Sta. M, Cincinnati, Ohio.
 1941 Englerth, Mrs. L. D., 4652 Division Ave., South, Grand Rapids, Mich.
 1935 Esping, Miss Selma E., 520 South St., Geneva, Ill.
 1939 Essley Mr. E. P., 825 Evergreen Ave., Chicago, Ill.
 1934 Essex County Park Commission, 115 Clifton Ave., Newark, N. J.
 1923 Essig, Prof. E. O., 910 Hilldale Ave., Berkeley, Calif.
 1931 Evans, Miss Anna L., 145 Medway St., Providence, R. I.
 1941 Evans, Mr. Charles H., R. R. No. 1, Henderson, Ky.
 1934 Evans, Mr. Earl E., 2501 Oakridge Road, Fort Wayne, Ind.
 1940 Evans, Mr. Edwin D., 120 South La Salle St., Chicago, Ill.
 1942 Evensen, Mrs. Fred B., 4208 Seminary Ave., Richmond, Va.
 L Everett, Dr. Harry H., 2433 Wooderest, Lincoln, Nebr.
- 1935 (Fanick)-Eddie Fanick's Garden of Iris, E. Holmgreen Rd., Rt. No. 6,
 San Antonio, Texas.
 1941 Fass, Mr. Peter J., 85-30 241st St., Bellerose, L. I., N. Y.

- 1938 Faught, Miss Eva E., Carbondale, Ill.
 1942 Fawley, Mrs. Paul C., Powell, Wyoming.
 1936 Fay, Mr. O. W., 1522 Isabella St., Wilmette, Ill.
 1941 Feemster, Mrs. Carl, 321 North Green St., Tupelo, Miss.
 1936. Feicht, Mr. Edward R., 111 Old Lancaster Rd., Bala-Cynwyd, Penna.
 C Fendall, Mr. Thomas M., Leesburg, Loudon Co., Va.
 1938 Fenninger, Mr. C. W., 100 W. Moreland Ave., Philadelphia, Pa.
 1941 Fiedler, Mr. R. H., 7100 8th St., N. W., Washington, D. C.
 1925 Fischer, Mr. Hubert A., 332 S. Grace Ave., Lombard, Ill.
 1940 Fishburn, Mrs. Junius Blair, 726—13th St., S. W., Roanoke, Va.
 L Fishburn, Mr. J. P., P. O. Box 2531, Roanoke, Va.
 1939 Fishburn, Mrs. Katherine Nelson, Box 2531, Roanoke, Va.
 1926 Fisher, Mrs. John R., Williamsburg, Va.
 1941 Fiske, Mr. Chesterfield, Northboro, Mass.
 1941 Fitzhugh, Mrs. Marjorie, Route 2, Box 582, Shreeport, La.
 1936 Fitzhugh, Mr. William C., Route 2, Box 582, Shreveport, La.
 1938 Flory, Mr. Wilmer B., 1533 Meadlawn, Logansport, Ind.
 1941 Flowerfield Bulb Farm, Flowerfield, L. I., N. Y.
 1938 Fogg, Mrs. Florence W., Hillhouse, Farmington, Maine.
 1931 Forbes, Mr. Stanley, 1151 University Ave., Palo Alto, Calif.
 1939 Ford, Mr. J. A., R. D. 1, Box 511, Atlanta, Ga.
 1940 Ford, Mr. W. S., 724 Fern St., Yeadon, Pa.
 1942 Fordyce, Dr. A. W., Lock Box 87, Gilman, Ill.
 1942 Fox, Mrs. E. R., 1663 Glenview St., Memphis, Tenn.
 C Fox, Mrs. M. J., Foxden, Peekskill, N. Y.
 1942 Fraim, Mrs. Irving W., 99 Claremont St., Waltham, Mass.
 1937 Franklin, Mrs. Robert Maynard, 1 Cushing Ave., Haverhill, Mass.
 1940 Fraser, Mr. Herbert C., 48 Eldredge St., Newton, Mass.
 1928 Frechtling, Dr. Louis H., R. D. 5, Box 205, Meadowcroft, Hamilton, O.
 1933 French, Mr. J. H., 118 Green Lawn Drive, San Antonio, Texas.
 1931 Frese, Mr. Paul F., The Flower Grower, 2049 Grand Central Terminal,
 New York, N. Y.
 1941 Frey, Mrs. Harry, 406 East Burlington, Fairfield, Iowa.
 1940 Fritz, Mrs. Sam, 229 W. Hickory St., Denton, Texas.
 L Frothingham, Mrs. L. A., North Easton, Mass.
 1940 Fulton, Miss Anna M. S., 1851 Virginia Road, San Marino, Calif.

 1935 Gadberry, Mr. Wm. A., 909 Olive St., Carthage, Mo.
 1941 Gage, Mr. G. C., 12 Webber Ave., Bedford, Mass.
 C-L Gage, Mrs. Homer, 8 Chestnut St., Worcester, Mass.
 1934 Gage, Mr. L. Merton, Sunnyside Gardens, Natick, Mass.
 C Gager, Dr. C. Stuart, Brooklyn Botanical Gardens, 1000 Washington
 Ave., Brooklyn, N. Y.
 1936 Gale, Mr. W. Dudley, 2017 8th Ave., South, Nashville, Tenn.
 1937 Gamble, Miss Elizabeth F., 1431 Waverly St., Palo Alto, Calif.
 1935 Gary, Mrs. John W., 303 Sheridan Road, Glencoe, Ill.
 1939 Gaskill, Mr. Nelson B., 726 Jackson Place, Washington, D. C.

- 1938 Gaulter, Mr. L. A., 1203 S. Grant, Chanute, Kansas.
- 1940 Geddes, Mr. John M., 331 High St., Williamsport, Penna.
- 1938 George, Mrs. Arnold P., 78 Chestnut St., Haverhill, Mass.
- L George, Mrs. David L., Pine Acre, Wyoming Ave., South Orange, N. J.
- C Gerling, Mr. Henry J., 945 Beverly Ave., Glendale, Mo.
- 1921 Gersdorff, Mr. Chas. E. F., 1825 N. Capitol St., Washington, D. C.
- L Gest, Miss Margaret, 5620 City Ave., Overbrook, Philadelphia, Penna.
- 1930 Gibbs, Mrs. William Wayt, Gibbs Hill, Staunton, Va.
- 1941 Gilbert, Mrs. R. R., 4223 Bordeaux, Dallas, Texas.
- 1940 Gilliam, Mr. Frank J., Lexington, Va.
- 1938 Gilliam, Mr. R. A., 1123 Cedar Hill Ave., Sta. A, Dallas, Texas.
- 1940 Gilstrap, Mrs. Alonzo, 2610 4th St., Joplin, Mo.
- 1936 Giridlian, Mr. J. N., Oakhurst Gardens, 512 W. Foothill Blvd., Arcadia, Calif.
- C Glenn, Dr. L. C., 2111 Garland Ave., Nashville, Tenn.
- 1940 Gloden, Mr. William J., 1019 Garden St., Park Ridge, Ill.
- 1931 Glutzbeck, Mr. Howard R., 25 Raymond Ave., Lynbrook, L. I., N. Y.
- 1938 Goddard, Mrs. T. N., Tedmarleigh, Old Bannington, Vt.
- 1941 Goes, Mrs. F. C., 15245 Greenleaf St., Sherman Oaks, Calif.
- 1935 Goodboy, Miss Kate H., The Paddock, R. D. 3, Branford, Conn.
- 1934 Goodhue Gardens, R. D. 2, Box 733, Fresno, Calif.
- 1932 Goodman, Mr. Richard, 253 Bloomingbank Road, Riverside, Ill.
- 1934 Gow, Mr. Robert, 331 South Street, Oxford, Mass.
- 1936 Graff, Mrs. Augusta K., 1100 Jackson St., Beatrice, Nebr.
- 1934 Graham, Mr. P. H., 1610 Leyden St., Denver, Colo.
- 1937 Grant, Dr. Henry Lee, 412 Oread Road, Louisville, Ky.
- 1940 Grant, Mrs. Henry L., 412 Oread Road, Louisville, Ky.
- L Grant, Mrs. U. S., 3rd, Clinton, N. Y.
- 1940 Graves, Mrs. Helen McG., 27 Forrest St., Concord, N. H.
- 1928 Graves, Dr. Robert J., 5 South State St., Concord, N. H.
- 1942 Gray, Dr. Etta, Apt. G, 7317 Hawthorne Ave., Hollywood, Calif.
- 1942 Gray, Mr. Sidney H., 808 Hazel St., San Bernardino, Calif.
- 1939 Green, Miss Ortha, R. D. 1, Box 115, Promise City, Iowa.
- 1942 Green, Mr. Elmer, 1515 Madison Ave., New York, N. Y.
- C Greene Mr. Albert E., 1841 Cambridge Road, Ann Arbor, Mich.
- 1923 Greene, Mr. Ryland W., 161 Rose Lane, Haverford, Pa.
- 1940 Grier, Mrs. R. D., Box 427, Statesville, N. C.
- 1940 Griffin, Mr. Wm. L., Jr., 449 Van Houten St., Paterson, N. J.
- 1925 Grinter, Mr. J. H., 737 S. Main St., Independence, Mo.
- 1941 Gsell, Mr. Sam, 616 Garden St., St. Joseph, Mo.

GARDEN CLUBS

- 1936 Abingdon Garden Club, Mrs. Warren Rawalt, Chairman, 506 W. Adams St. Abingdon, Ill.
- 1941 Bloomington and Norman Garden Club, Mrs. Roland S. Reed, President, 1308 E. Washington St., Bloomington, Ill.

- 1937 Chico Horticultural Society, Mrs. A. H. Sanborn, Secretary, R. D. 4, Chico, Calif.
- 1941 Des Plaines Garden Club, % Mrs. E. H. Shalk, 647 Parsons Ave., Des Plaines, Ill.
- 1936 Detroit Iris Society, % Miss Addie Sly, Maple Ave. West, Birmingham, Mich.
- 1934 Duluth Peony and Iris Society, Mrs. Robert J. Oppel, Secretary, 4523 McCulloch St., Duluth, Minn.
- 1942 Elgin Garden Club, Miss Grace M. Hawthorne, Secretary, Elgin, Ill.
- 1934 Garden Center of Greater Cleveland, 11190 East Blvd., at Euclid Ave., Cleveland, Ohio.
- 1941 Garden Club of Edgebrook, Care Wm. J. Nieman, 6608 Hiawatha Drive, Chicago, Ill.
- 1931 Garden Club of Evanston, Mrs. Walter D. Steele, Treas., 2440 Orrington Ave., Evanston, Ill.
- 1941 Garden Club of Illinois, % Mrs. G. McStay Jackson, 312 Palmer House, Chicago, Ill.
- 1940 Garden Club of Mayfair, A. C. Rochow, Sec., 5059 N. Kilbourn Ave., Chicago, Ill.
- 1941 Garden Club of Midlothion, Mrs. Gordon Southworth, Sec., Midlothion, Illinois.
- 1940 Garden Club of Morgan Park, % Mrs. L. E. May, 2158 W. 107th Place, Chicago, Ill.
- 1938 Garden Study Club, % Mrs. Frank E. Gillette, 3321 Harding Road, Nashville, Tenn.
- 1941 Gary Garden Club, % Mrs. Roy Watts, 160 N. Hamilton St., Gary, Ind.
- 1941 Green Bay Garden Club, Mrs. E. P. Barnard, Pres., R. D. 6, Green Bay, Wis.
- 1939 Hillsboro Road Garden Club, % Mrs. H. W. Stallworth, R. D. 5, Nashville, Tenn.
- 1941 Irisarians of Greater Grand Rapids, % Miss Edice Hodge, 3714 Briggs Blvd., N. E., Grand Rapids, Mich.
- 1941 Iris Garden Club, % Mrs. Elmer Kidd, 2201 Cherrywood Ave., New Castle, Ind.
- 1934 Iris Garden Club, Care Mrs. Trenton Tunnell, 340 Peachtree Battle Ave., Atlanta, Ga.
- 1940 Iris and Peony Society of Cincinnati and Vicinity, Mrs. Wm. Sloan, Pres., 1434 Hershall Ave., Cincinnati, Ohio.
- 1934 Iris Unit, Garden Flower Club, Mrs. C. O. Bond, Sec., 1518 E. 10th St., Oklahoma City, Okla.
- 1942 Kirksville Garden Club, Mrs. L. F. Bosch, Sec., 504 N. Baltimore St., Kirksville, Mo.
- 1941 Lincolnwood Garden Club, Mrs. E. H. MacRae, Treas., 2940 Simpson St., Evanston, Ill.
- 1942 Mary Swords DeBaillon Louisiana Iris Society, Mr. W. B. MacMillan, President, Abbeville, La.
- 1941 Newton Garden Club, Mrs. Clinton C. Brown, Pres., 14 Eliot Memorial Rd., Newton, Mass.

- 1939 Ohio Association of Garden Clubs, Mr. Victor H. Ries, Sec., Ohio State University, Columbus, Ohio.
- 1932 Oklahoma State Iris Society, % Mrs. H. W. Sprankle, 2017 N. W., 22nd St., Oklahoma City, Okla.
- 1924 Pennsylvania Horticultural Society, Room 601, 1600 Arch St., Philadelphia, Penna.
- 1942 Rolla Floriculture Club, Mrs. Warwick L. Doll, Sec., 405 E. 10th St., Rolla, Mo.
- 1941 Roseville Better Garden Club, Mrs. J. Vergonet, Sec., 308 Earl Ave., Roseville, Calif.
- 1938 Santa Clara County Iris Society, % Mrs. R. W. Wagener, 211 S. 21st St., San Jose, Calif.
- 1941 Shreveport Iris Society, Mrs. S. S. Caldwell, Pres., 230 Oakley Drive, Shreveport, La.
- 1940 Superior Garden Club, Aux. No. 2, % Mrs. O. C. Gradin, 1008 E. 5th St., Superior, Wis.
- 1935 Takoma Horticultural Club, W. H. Parson, Pres., 710 Elder St., N. W., Washington, D. C.
- 1940 Winnetka Weeders, % Mrs. Donald Jones, 535 Ash St., Winnetka, Ill.
- 1938 Woodridge Garden Club, Mr. A. R. Hester, Pres., 1824 Rhode Island Ave., N. E., Washington, D. C.
- 1939 Worcester County Horticultural Society, 30 Elm St., Worcester, Mass.

- 1931 Haber, Mrs. P. B., 47 Woodland Ave., Fond du Lac, Wis.
- 1937 Haberkorn, Mrs. Frank, Nursery Road, Lansdown, P. O., Md.
- 1939 Hadley, Dr. Rollin V., State Hospital, Westboro, Mass.
- 1941 Hagenah, Mrs. Wm. J., 395 Greenleaf Ave., Glencoe, Ill.
- 1932 Hager, Mrs. Richard G., 3443 Hawthorne Place, St. Louis, Mo.
- 1930 Hahn, Mrs. Lindsay R., 2617 S. 11th St., Springfield, Ill.
- 1942 Halbersleben, Dr. David, 42 Goodnough Rd., Brookline, Mass.
- 1931 Hall, Mr. David F., 809 Central Ave., Wilmette, Ill.
- 1940 Hall, Mrs. David F., 809 Central Ave., Wilmette, Ill.
- 1934 Hall, Mr. D. W., 723 Fifth St., Perry, Iowa.
- 1930 Halloway, Miss Harriette R., 225 East Seventh St., Plainfield, N. J.
- 1936 Halyburton, Mrs. E. J., 321 North Harrison Ave., Kirkwood, Mo.
- 1939 Ham, Mr. Allen M., Arcata, Humboldt Co., Calif.
- L Hamblin, Mr. Stephen, 45 Parker St., Lexington, Mass.
- 1940 Hamilton, Mrs. Dexter, 4309 Beverly Drive, Dallas, Texas.
- 1940 Hamilton, Mrs. D. P., 3214 Centenary Blvd., Shreveport, La.
- 1941 Hamilton, Mrs. W. C., 1723 Lucile St., Wichita Falls, Texas.
- 1942 Hammond, Mrs. Hall, "Withywood," Stevenson, Md.
- 1931 Hampton, Mrs. Hally B., 4501 Dallas Pike, Fort Worth, Texas.
- 1930 Hanes, Dr. Frederic M., Duke Hospital, Durham, N. C.
- 1940 Hardesty, Mr. A. H., Harmel Peony Co., Berlin, Md.
- 1936 Hardy, Mr. W. F. R., 9057 Ladue Rd., Clayton, Mo.
- 1940 Hargrave, Mr. Mark C., 718 Yadkin St., Kingsport, Tenn.
- 1933 Harned, Mr. H. H., 34 Green St., Oakland, Md.
- 1921 Harper, Mrs. George V., Shippensburg, Penna.

- 1927 Harper, Mrs. R. A., R. R. 5, Bedford, Va.
- 1930 Harris, Mrs. A. I., 1509 Ponce de Leon Ave., N. E., Atlanta, Ga.
- 1942 Harris, Mrs. John N., 2808 Maple Springs Blvd., Dallas, Texas.
- 1936 Harrison, Mrs. Arthur P., 8001 Piney Branch Rd., Silver Spring, Md.
- 1938 Harrison, Dr. Jamison R., Tufts College, Medford, Mass.
- 1939 Hartnell, Mrs. Arthur G., Lilac Lodge, Salem, Wis.
- 1933 Harza, Mrs. Leroy F., 2299 Pierce Road, Highland Park, Ill.
- 1938 Haun, Mr. Harry Lee, 535 Tulsa St., Norman, Okla.
- 1941 Hawkins, Miss M. B., R. F. D. 1, Box 92, Hollister, Calif.
- 1942 Haydon, Mrs. Clifford, Haydon Iris Gardens, 4624 Junius St., Dallas, Texas.
- 1941 Haydon, Mrs. Stella, 644 S. Flood Ave., Norman, Okla.
- 1941 Hayes, Mr. Martin A., Curtis Wood Lane, Nashville, Tenn.
- 1942 Haynes, Mrs. George W., 325 S. Park Ave., Fremont, Ohio.
- 1927 Hazen, Miss Anne D., Box 493, White River Junction, Vt.
- 1939 Heimer, Mrs. Elsie, 15538 Ventura Blvd., Encino, Calif.
- 1941 Heinlein, Mr. Norval A., 106 Pond St., Stoneham, Mass.
- 1942 Heller, Mr. A. H., 1419 E. Atchison St., Pasadena, Calif.
- 1942 Helme, Mrs. James B., P. O. Box 2100, Southport, Conn.
- 1942 Hemmingway, Mrs. C. S., 121 E. Union Ave., Bound Brook, N. J.
- 1930 Hepp, Mrs. Arnold, 1110 Club Lane, Atlanta, Ga.
- 1940 Herbert, Mrs. C. A., 1041 Warrington Rd., Raleigh Court, Roanoke, Va.
- 1941 Herbert, Mrs. William Bush, Wilson Pike, Brentwood, Tenn.
- 1939 Hetzler, Mrs. Theodore, 604 North Lake Drive, Belmar, N. J.
- 1938 Hicklin, Mr. M. D., Box 869, Columbia, S. C.
- 1940 Highnote, Mrs. L. G., 5231 Monticello, Dallas, Texas.
- 1934 Hill, Miss Eleanor, 1633 East 22nd St., Tulsa, Okla.
- 1938 Hill, Mrs. William T., 499 W. Peachtree St., Atlanta, Ga.
- C-L Hires, Mrs. J. Edgar, "Rehoboth," Strafford, Penna.
- C Hitchcock, Mrs. L. W., Southport, Maine.
- 1937 Hoberg, Mr. Harry A., P. O. Box 32, Clintondale, N. Y.
- 1935 Hodson, Mr. Edgar A., 1708 N. Tyler St., Little Rock, Ark.
- 1942 Hoffman, Mr. Arthur S., Carmel, N. Y.
- 1940 Hoffman, Miss Christine M., 2407 East 33rd St., Des Moines, Iowa.
- 1928 Hogan, Mr. John R., 117 Llanfair Rd., Ardmore, Penna.
- 1942 Holland, Mr. R. C., 3205 James St., Fort Worth, Texas.
- 1939 Holly, Mrs. Herve C., Chestnut Ridge, Lockport, N. Y.
- 1940 Holmes, Mrs. Edward B., 59 Chicago St., Buffalo, N. Y.
- C-L Holmes, Miss Harriet F., S. Batavia Rd., Batavia, Ill.
- 1935 Horne, Mr. Stanley F., Golf Club Lane, Nashville, Tenn.
- 1939 Horton, Mrs. Hal C., 3925 Moulton St., Greenville, Texas.
- 1927 Horton, Mrs. Norman S., R. F. D. 2, Elkhart, Ind.
- C-L Houghton, Mrs. Clement S., 152 Suffold Rd., Chestnut Hill, Mass.
- 1936 House, Mr. J. W., 2422 Broadway Ave., Little Rock, Ark.
- 1934 Howell, Mr. George P., 1905 East Olive St., Milwaukee, Wis.
- 1931 Howell, Mr. Wm. W., Box 977, South Rd., Poughkeepsie, N. Y.
- 1934 Hubbell, Mr. James F., 45 Sanger Ave., New Hartford, N. Y.
- 1942 Hudson, Mrs. Charles, Meadowbrook Point, Norfolk, Va.

- 1941 Hudson, Dr. Lee, 4312 Overhill Drive, Dallas, Texas.
- 1933 Hudson, Miss May, 1474 Peachtree St., N. W., Atlanta, Ga.
- 1941 Hulbert, Mrs. George, 33 Ruggles St., Westboro, Mass.
- 1938 Humphrey, Mrs. E. W., Belmont Road, Butler, Penna.
- 1938 Humphrey, Mrs. J. Willard, 11 Manor Ave., Claymont, Del.
- 1941 Humphrey, Mrs. Leslie H., 1926 Mishawaka Ave., South Bend, Ind.
- 1941 Hustler, Mr. John, 573 Carson Ave., Perth Amboy, N. J.
- 1941 Hutchinson, Miss Priscilla E., Cherry Hall, Matawan, N. J.
-
- 1940 Idse, Mr. M., Story City, Iowa.
- 1937 Iltis, Mrs. Minnie G., 1104 44th St., Des Moines, Iowa.
- 1934 Inter-state Nurseries, Hamburg, Iowa.
- 1939 Imhoff, Mrs. Gertrude E., 3335 Mono Ave., Fresno, Calif.
- L Ingersoll, Miss Anna Warren, 1815 Walnut St., Penllyn, Philadelphia, Penna.
-
- 1922 Jackson, Mrs. B. A., Lake View Avenue East, Bright Waters, L. I., N. Y.
- 1934 Jackson, Rev. Ellis L., 407 E. Third St., Mitchell, S. D.
- C Jackson, Mr. Robert T., 128 Chestnut St., Boston, Mass.
- 1941 Jacocks, Mrs. Pearl M., 1878 Jefferson Ave., Memphis, Tenn.
- L Jenison, Dr. Nancy, 135 E. 52nd St., New York, N. Y.
- 1931 Johnson, Mrs. Charles, Jr., 335 Main St., Johnson City, N. Y.
- 1942 Johnson, Mrs. Charles A., 63 Central Ave., Medford, Mass.
- 1941 Johnson, Mrs. F. Arthur, 308 W. Michigan St., Duluth, Minn.
- 1940 Johnson, Mrs. F. G., 21 W. 2nd St., Lexington, N. C.
- 1935 Johnson, Mr. Harold I., 172 Austin Ave., Atherton, Calif.
- 1931 Johnson, Mr. K. W., 1721 Hampton Road, Akron, Ohio.
- 1942 Johnson, Mr. Martin, 1117 8th Ave., South, Fargo, N. D.
- 1942 Johnson, Mr. Roswell H., 1212 N. Sycamore Ave., Los Angeles, Calif.
- 1930 Johnson, Mr. Virgil V., The Andrew Freedman Home, 1125 Grand Concourse, New York, N. Y.
- 1939 Johnson, Dr. William J., Lois Grunow Memorial Clinic, Phoenix, Ariz.
- 1941 Jones, Mr. Loyd A., 22 San Rafael Drive, Rochester, N. Y.
- 1940 Jones, Mrs. Percy, 758 Sayles Blvd., Abilene, Texas.
- 1938 Jones, Mrs. Stephen W., 4325 Erie Ave., Cincinnati, Ohio.
- 1942 Jones, Mr. Walter A., 124 Union St., Emporia, Kansas.
- 1939 Jones, Mr. W. T., 1232 Elmwood Ave., Wilmette, Ill.
- 1941 Joslyn, Mrs. Leo E., Jr., Tilbury Place, Birmingham, Mich.
- 1941 Junker, Mr. Martin, 1218 N. Church St., Belleville, Ill.
-
- 1933 Kahle, Mr. John T., 1965 Alta Vista St., Dubuque, Iowa.
- 1938 Kazanjieff, Mr. Radomir A., 416 12th St., Niagara Falls, N. Y.
- 1935 Kehr, Mr. Robert L., Ogallala, Nebr.
- 1941 Keith, Mr. Granville S., 912 W. Springfield, Champaign, Ill.
- 1940 Keith, Mrs. Julian C., Warrenton, Va.
- 1940 Keller, Miss Marcella K., 1021 Sylvania St., St. Joseph, Mo.
- 1941 Kelk, Mrs. Tom C., 1551 Redondo Drive, Dallas, Texas.

- 1925 Kellogg, Mrs. Louise W., 60 N. Main St., West Hartford, Conn.
 1934 Kellogg, Mr. Willard M., Over-the-Garden-Wall, North Granby, Conn.
 1940 Kellogg, Mrs. Willard M., Over-the-Garden-Wall, North Granby, Conn.
 1940 Kemnitz, Mrs. Theodor, 2400 Melwood Ave., Louisville, Ky.
 1942 Kendall, Mrs. L. W., 24700 W. Ten Mile Road, Birmingham, Mich.
 C-L Kennedy, Dr. Harris, Gray Herbarium, 79 Garden St., Cambridge, Mass.
 1939 Kennedy, Mr. J. C., 517 Loucks Ave., Peoria, Ill.
 1941 Kenndy, Mr. Ronald A., 815 N. Noyes Blvd., St. Joseph, Mo.
 1925 Kernochan, Mrs. Edw. L., 1926 Wood Ave., Colorado Springs, Colo.
 1931 Ketchum, Mrs. Morgan, 178 South McLean Blvd., Memphis, Tenn.
 1930 Kilgore, Mrs. John Lewis, R. D. 1, Box 97, Stone Mountain, Ga.
 1940 Kingsford, Dr. H. N., Dartmouth Medical School, Hanover, N. H.
 1941 Kingsley, Mr. Robert S., 702 N. Trenton Drive, Beverly Hills, Calif.
 1923 Kinnier, Miss Josephine P., 518 Washington St., Lynchburg, Va.
 1927 Kinsey, Mr. Alfred C., Indiana University, Bloomington, Ind.
 1941 Kirk, Mrs. Myron, 3805 Stratford, Dallas, Texas.
 C-L Kirkham, Mr. William B., 220 State Street, Springfield, Mass.
 1925 Kleinsorge, Dr. R. E., Silverton, Oreg.
 1935 Knapp, Mrs. Edgar A., Rumson, N. J.
 1942 Knight, Mrs. R. D., Jr., 4949 E. 6th Ave., Denver, Colo.
 1929 Knowlton, Mr. Harold W., 32 Hancock St., Auburndale, Mass.
 1936 Knowlton, Mrs. Harold W., 32 Hancock St., Auburndale, Mass.
 1939 Knox, Mrs. Etsel, 2002 Chester Ave., Kansas City, Kansas.
 1931 Koepfer, Miss Minnie, R. D. 4, Marshalltown, Iowa.
 1933 Krause Mrs. G. A., 229 High St., Klamath Falls, Oreg.
 C-L Krippendorff, Mr. Carl H., 622 Sycamore St., Cincinnati, Ohio.
 1941 Kropp, Mrs. Rudolph, 425 N. Sacramento St., Lodi, Calif.
- C-L La Boiteaux, Mrs. Isaac, Bryn Mawr, Penna.
 1938 Ladew, Mr. Harry S., Pleasant Valley Farm, Monkton, Md.
 1942 Lamb, Mrs. J. D., Excelsior, Minn.
 1939 Lamb, Mrs. Walter R., 543 Peebles St., S. W., Atlanta, Ga.
 1937 Lambert, Mrs. Barron P., Eccleston, Md.
 1932 Lambert, Mrs. Frank C., 5445 Iowa St., Chicago, Ill.
 1941 Lampton, Mrs. Thad, 1515 N. State St., Jackson, Miss.
 1941 Lane, Mrs. James H., 1018 Broadway, Sylacauga, Ala.
 1940 Langhammer, Mrs. C. H., 814 S. Fourth St., Aurora, Ill.
 1925 Lapham, Mr. E. G., 1003 Strong Ave., Elkhart, Ind.
 1940 Lapins, Mrs. W. J., 153 Chandler St., Elmhurst, Ill.
 1940 Larmon Mrs. Russell R., Hanover, N. H.
 1935 Larsen, Mr. Carl A., 1510 South 10th East St., Salt Lake City, Utah.
 1941 Lashly, Mrs. A. V., 511 Bompert Ave., Webster Groves, Mo.
 1941 Lauriston, Mrs. Cliff, 802 Dawson St., Waterloo, Iowa.
 1940 Leechthaler, Mr. Louis H., 11 Stocker Ave., East Lynn, Mass.
 1921 Ledyard, Mr. Hugh, 111 Cloverly Road, Grosse Poinc Farms, Mich.
 1932 LeGron, Mr. W. R., 125 Amherst Drive, Toledo, Ohio.
 1942 Leonard, Mrs. F. L., Grove Hill, Ala.
 1939 Lepthien, Mr. Harry W., 4127 N. Lawler Ave., Chicago, Ill.

- 1940 Lewis, Mrs. C. J., 1729 East St., Cedar Falls, Iowa.
- 1934 Lewis, Mr. Herman E., 180 Grove St., Haverhill, Mass.
- 1939 Lickly, Mrs. Lena, Lickly's Iris Garden, Hudson, Mich.
- 1941 Lightfoot, Mr. John B., Orange Center Road, Orange, Conn.
- 1937 Lincoln, Mr. Jasper Frederic, 1200 Lake Ave., Pueblo, Colo.
- 1941 Lindley, Mr. Harry E., Atlanta, Ga.
- 1942 Lindner, Mr. Robert R., 481 Lincoln Ave., Calumet City, Ill.
- 1933 Lindsley, Mr. F. W., 4322 Commonwealth Ave., Toledo, Ohio.
- 1931 Linton, Mr. Edmund G., Worthington, Armstrong Co., Penna.
- 1933 Linwood Iris Gardens, Mrs. Blanche Covert, 3425 W. Central, Wichita, Kansas.
- 1935 Livingston, Mrs. Ethel, 124 Seventh St., San Bernardino, Calif.
- 1940 Lloyd, Mr. Richard W., Haverford, Penna.
- 1935 Long, Mr. J. D., P. O. Box 19, Boulder, Colo.
- 1934 Loomis, Dr. P. A., 1414 Culebra Ave., Colorado Springs, Colo.
- 1937 Lord, Mr. Harold M., Box 544, Bainbridge, N. Y.
- 1934 Lore, Miss Eugenia W., 109 W. Depot St., Concord, N. C.
- C Lorenz, Mr. Karl K., 2320 Ridgeway Road, Dayton, Ohio.
- L Loring, Mrs. Lindsley, Westwood, Mass.
- 1925 Lothrop, Mrs. Lena M., 3205 Poplar Blvd., Alhambra, Calif.
- 1933 Lowry, Mrs. F. P., 62 Walnut Park, Newton, Mass.
- 1939 Lyell, Mr. R. L., 2103 N Street, Auburn, Nebr.
- 1941 Lynch, Mrs. P. L., Independence, Iowa.
- 1940 Lynch, Miss Ruth E., Box 609, Hot Springs, Ark.
- 1920 Lynn, Mrs. Charles J., 5600 Sunset Lane, Indianapolis, Ind.
- 1941 Lyon, Mrs. David Wm., 18831 Calvert St., Reseda, Calif.
- 1940 Lyon, Mrs. John H., 56 High St., Bangor, Me.
- 1942 Lyster, Mr. John C., 120 W. Providence Rd., Clifton Heights, Penna.

LIBRARIES (By States)

- 1934 Library, Branch, College of Agric., Davis, Calif.
- 1937 Library, Connecticut State College, Storrs, Conn.
- 1929 Genl. Library, University of Georgia, Athens, Ga.
- 1939 Library, Iowa State College, Ames, Iowa.
- 1935 Howard-Tilton Memorial Library, Audubon Place & Feret, New Orleans, La.
- 1942 Shreve Memorial Library, Shreveport, La.
- 1931 Hamilton Smith Library, Univ. of New Hampshire, Durham, N. H.
- 1942 Roena A. Ingham Garden Collection, % Public Library, Lakewood, O.
- 1929 Oregon State Library, Salem, Oreg.
- 1930 Agricultural Library, Pennsylvania State College, State College, Penna.
- 1923 Seattle Public Library, Seattle, Wash.
- 1932 McAllister, Mr. Frederick, Univ. of Texas, Austin, Texas.
- 1930 McBride, Mr. O. J., 1506 S. 30th St., St. Joseph, Mo.
- 1942 McCauley, Mrs. Louis E., 58 Woodley Rd., Winnetka, Ill.
- 1940 McClanahan, Mrs. C. C., 2209 7th Ave., Council Bluffs, Iowa.
- 1926 McColl, Mrs. H. L., 105 Jennings St., Bennettsville, S. C.

- 1940 McCook, Mrs. R. D., 459 17th St., San Bernardino, Calif.
 1942 McCormick, Mr. Robert H., 367 Ninth Ave., Columbus, Ohio.
 1929 McDade, Mr. Clint, Rivermont Drive, Chattanooga, Tenn.
 C-L McEwen, Mrs. Alfred, Craig Anel, Tarrytown, N. Y.
 1920 McFarland, Dr. J. Horace, Box 687, Harrisburg, Penna.
 L McKee, Mr. W. J., 45 Kenwood Ave., Worcester, Mass.
 1934 McIlhenny, Mr. Edward A., Avery Island, La.
 1939 McInnis, Mrs. John, Box 271, Minden, La.
 1935 McIntire, Miss Jane, 527 Bluff St., Council Bluffs, Iowa.
 1940 McKnight, Miss Elizabeth, Blauvelt, N. Y.
 1937 McNairy, Mr. W. H., Laurinburg, N. C.
- 1935 Mabie, Mr. E. C., 624 S. Summit St., Iowa City, Iowa.
 1939 Macfarland, Mr. John C., 634 S. Spring St., Los Angeles, Calif.
 1940 Macgowan, Mrs. Clifford, 1702 North State St., Jackson, Miss.
 1940 Mackinnon, Mr. H. A., Box 818, Laramie, Wyoming.
 1934 Mahony, Mrs. Leslie P., 2201 Gilpin Ave., Wilmington, Del.
 1926 Mallory, Mrs. A. D., 4337 Wakeley St., Omaha, Nebr.
 1942 Mann, Mr. Alan N., 24 Richbell Rd., Scarsdale, N. Y.
 1927 Manning, Mrs. H. W., 1420 Rural St., Emporia, Kas.
 1928 Maples, Mr. Bruce C., Maples' Gardens, Ozark, Mo.
 1930 Marriage, Mrs. G. R., Upton Gardens, Box 46, Colorado Springs, Colo.
 1928 Marsh Botanical Garden, 227 Mansfield St., New Haven, Conn.
 C Marsh, Miss Miriam E., 40 Park St., Springfield, Vt.
 1939 Marshall, Mr. R., 2253 N. La Salle Gardens, Detroit, Mich.
 1939 Martin's Gardens, 6621 Moraga Ave., Oakland, Calif.
 1939 Martin, Mrs. Leila M., 847 Edgehill Rd., San Bernardino, Calif.
 1938 Marx, Mr. Walter E., 624 E. 5th St., The Dalles, Ore.
 1937 Mason, Mr. L. B., 423 W. Cedar St., Kalamazoo, Mich.
 1940 Massey, Mrs. Linton R., "Kinloch," Keswick, Va.
 1942 Mather, Mr. George, Westminster, Maryland.
 1938 Mathews, Mrs. W. R., Rt. 2, Box 96, Shreveport, La.
 1942 Mathis, Mr. J. T., Leland, Miss.
 1935 Maxwell, Mr. Alexander, 601 N. Naches Ave., Yakima, Wash.
 1942 May, Mrs. Laurence E., 2158 W. 107th Place, Chicago, Ill.
 1935 Mead, Mrs. F. S., 75 Fisher Ave., Brookline, Mass.
 1934 Medbery, Mrs. H. L., Armington, Ill.
 L Meeker, Mrs. Claud, Nelmar & Magnolia Ave., St. Augustine, Fla.
 1939 Meloy, Mrs. O. P., 206 Jackson, Ave., Joplin, Mo.
 1925 Menninger, Dr. C. F., Oakwood Peony Farm, Route 5, Topeka, Kas.
 L Mercer, Mrs. W. B., Doylestown, Penna.
 1941 Merritt, Mrs. E. W., McKinney, Texas.
 1941 Merry, Mr. Percy I., 43 Harrison St., Newton Highlands, Mass.
 1942 Merry, Mrs. Percy I., 43 Harrison St., Newton Highlands, Mass.
 1939 Metzger, Mr. Charles, 5202 Alum Rock Ave., San Jose, Calif.
 1941 Metzner, Mr. William, Metzner Floral Co., Mountain View, Calif.
 1940 Meyer, Dr. J. M., P. O. Box 150, Richmond Beach, Wash.
 1933 Michels, Mr. M. P., 108 N. Sheridan Road, Waukegan, Ill.

- 1939 Mikle, Mr. Roy, Hillcrest Roseries, Box 228, Progress, Penna.
 1938 Millam, Mr. Carl H., 2608 Orrington Ave., Evanston, Ill.
 1937 Miles, Mrs. Eugene R., 22125 Parnell Road, Shaker Heights, Ohio.
 1941 Miles, Miss Lulu, Barrett, Minn.
 1942 Miller, Mrs. Corrine, R. D. 2, Box 199, Placerville, Calif.
 1940 Miller, Mrs. E. A., 4115 West Lawn Drive, Nashville, Tenn.
 C Miller, Mr. Earl S., 504 Conklin Ave., Binghamton, N. Y.
 1941 Miller, Mrs. H. P. L., Shooters Hill, Richmond, Va.
 1938 Miller, Mr. J. J., Millers Gardens, Grandview, Wash.
 L-C Miller, Miss Mildred A., 148 Hancock St., Cambridge, Mass.
 1935 Miller, Mrs. R. V. V., 980 Woodland Ave., Plainfield, N. J.
 1935 Miller, Mr. William W., New Lawrence Hotel, 1020 Lawrence Ave.,
 Chicago, Ill.
 1938 Millice, Dr. G. S., Battle Creek, Iowa.
 1941 Milliken, Mr. C. S., 970 New York Ave., Altadena, Calif.
 1934 Milliken Gardens, 385 W. Colorado St., Arcadia, Calif.
 1938 Mills, Mr. Zelle F., Bartlett, Ill.
 1934 Minot, Dr. George R., 71 Sears Road, Brookline, Mass.
 1942 Mirandy, Mrs. C., K.F.I., Los Angeles, Calif.
 1940 Mitchell, Mr. Albert T., 170 Westminster Drive, Yonkers, N. Y.
 L-C Mitchell, Mr. Sydney B., 633 Woodmont Ave., Berkeley, Calif.
 1933 Mitsch, Mr. Grant E., Lebanon, Oregon.
 1941 Montague, Mr. Richard L., 734 Anneslie Rd., Baltimore, Md.
 1940 Montgomery, Mrs. Whitney, 624 N. Vernon Ave., Dallas, Texas.
 1939 Morgan's Gardens, R. D. 3, Kansas City, Mo.
 1942 Moriarty, Mr. Daniel F., New Hanover Ave., South Meriden, Conn.
 1941 Morris, Miss Mary, Polly Drummond Hill, Newark, Del.
 C Morrison, Mr. B. Y., 821 Washington Loan & Trust Bldg., Washing-
 ton, D. C.
 1942 Morse, A. B., Printing Co., St. Joseph, Mich.
 1940 Morton, Mrs. M. D., 3122 Rivermont Ave., Lynchburg, Va.
 1941 Moss, Mrs. Henry M., R. D. 10, Box 336, Concord Road, Milwaukie,
 Oregon.
 1940 Mueller, Mr. L. F., 22 Parkland Ave., Kirkwood, Mo.
 1941 Muhlestein, Mr. Tell, 691 East Eighth North, Provo, Utah.
 1941 Muleahey, Mr. Earl R., Jr., 169 Rumstick Road, Barrington, R. I.
 1941 Murrah, Mrs. Wm. F., 3828 Walnut Grove Road, Memphis, Tenn.
 1936 Murray, Mr. George H., Murraywood Gardens, Rollins, Mont.
 1941 Myers, Mrs. J. J., Mattson, Miss.
 1939 Myers, Mrs. R. A., 1548 S. W. 25, Oklahoma City, Okla.
 1936 Naas, Mrs. C. W., 2243 Virginia Park, Detroit, Mich.
 1935 Naff, Mrs. S. B., 3522, Ivey Road, Atlanta, Ga.
 C National Iris Gardens, Howard and Thurlow Weed, Beaverton, Oreg.
 1932 Nelson, Mrs. A. C., 2056 S. 18th St., Lincoln, Nebr.
 1942 Nelson, Mr. Ira S., Southwestern Louisiana Institute, Lafayette, La.
 L-C Nesmith, Mrs. Thomas, 166 Fairmount St., Lowell, Mass.
 1939 Newcomb, Mrs. Guy H., Box 21, Downingtown, Penna.

- 1942 Newell, Mr. Ray M., Box 136, East Pepperall, Mass.
 1934 Newton, Mrs. Cooper, 204 W. College St., Griffin, Ga.
 1938 Nichols, Mrs. H. A., Box 338, Chillicothe, Texas.
 1922 Nicholls, Col. J. C., 114 Overlook Road, Ithaca, N. Y.
 1935 Nick's Iris Garden, 1327 Hay's Avenue, Norfolk, Nebr.
 1939 Nies, Mr. E. E., 1413 Kingsley Drive, Hollywood, Calif.
 1936 Nobiling, Mr. Henry, Perry, Iowa.
 1938 Norris, Mrs. D. L., 605 Pendleton St., Greenville, S. C.
 1939 Norton, Mrs. C. L., 5919 Alder St., Pittsburgh, Pa.
 1937 Norton, Mr. Luke, R. D. 6, Yakima, Wash.
 1937 Nugent, Mr. Walter M., 235 Nunda Blvd., Rochester, N. Y.
- 1940 O'Driscoll, Mr. John F., 66 Green Hill Parkway, Worcester, Mass.
 1936 O'Hanlon, Mr. Philip, Blair, Nebr.
 L Ohl, Mr. John J., R. D. 5, Wichita, Kansas.
 1938 Oppel, Mrs. Robert J., 4523 McCulloch St., Duluth, Minn.
 1940 Oshlo, Mrs. C. W., 2400 Avenue A, Council Bluffs, Iowa.
- 1938 Padgitt, Mrs. Edgar, 4207 Belclaire, Dallas, Texas.
 1940 Page, Mr. John L., Lake Mills, Wisc.
 1942 Paine, Mrs. Garland C., 5147 Horseshoe Trail, Dallas, Texas.
 1928 Paine, Mr. Robert T., 577 Beaver St., Waltham, Mass.
 1939 Paine, Mrs. Thomas B., 425 Peachtree Battle Ave., Atlanta, Ga.
 1940 Palmer, Dr. J. W., 210 Irving Street North, Arlington, Va.
 1942 Paney, Mrs. H. B., 14 7th Street, Watsonville, Calif.
 1941 Pankost, Mr. W. O., 401 41st St., Sacramento, Calif.
 1937 Paolano, Mr. John L., R. D. 1, Box 130 A, Clinton, Ohio.
 1931 Parker, Mr. J. B., 1217 Lawrence St., N. E., Washington, D. C.
 1927 Patch, Mr. Roland H., Connecticut Agricultural College, Storrs, Conn.
 1924 Pattison, Mrs. Douglas, Quality Gardens, 871 Stephenson St., Freeport, Ill.
- 1936 Paull, Mrs. Martha T., 3152 Auten Ave., Cincinnati, Ohio.
 1942 Pearson, Mr. J. U., Marysville, Calif.
 1932 Pease, Mr. Oliver James, 45 Prospect Ave., Lynbrook, L. I., N. Y.
 1938 Peck, Mr. Albert E., 81 Arlington St., Framingham, Mass.
 L Peckham, Mr. Anson W., The Lodge, Skylands Farm, Sloatsburg, N. Y.
 C-L Peckham, Mrs. Wheeler H., The Lodge, Skylands Farm, Sloatsburg, N. Y.
- 1942 Penn, Mrs. F. H., 4400 Preston Road, Dallas, Texas.
 1933 Percy, Mr. W. A., Percy Strauss & Kellner, Greenville, Miss.
 L Perry, Mr. James M., Star Route, Upper Lake, Calif.
 1930 Perry, Mrs. John M., Palisades, Rockland County, N. Y.
 1938 Peterson, Mr. A. M., 501 Highland Road, Pottstown, Pa.
 C-L Peterson, Mr. William A., 510 Wellington Ave., Chicago, Ill.
 1931 Pickard, Mrs. F. W., Old Mill Road, Greenville, Del.
 1942 Pierce, Mrs. Zelma S., Veterans Administration Facility, North Little Rock, Ark.
- 1931 Piester, Mr. E. A., Dept. of Parks, Municipal Bldg., Hartford, Conn.

- 1930 Pillow, Mr. T. Lloyd, 3203 Orleans St., N. S. Pittsburgh, Penna.
 1940 Plough, Mr. Gordon W., 12 S. Delaware Ave., Wanatchee, Wash.
 1934 Polin, Mr. Edward G., R. D. 2, Fultonville, N. Y.
 L Pollock, Mrs. George Gordon, 1341 45th St., Sacramento, Calif.
 1937 Pollock, Mrs. L. W., 713 8th Ave., S. W., Rochester, Minn.
 1942 Ponsford, Mrs. H. J., 921 Robinson Blvd., El Paso Texas.
 1942 Porter-Walton Co., 42 West First South Street, Salt Lake City, Utah.
 C Pratt, Mrs. Frederick T., 200 Devonshire St., Boston, Mass.
 1942 Preney, Mr. A. C., 67 Rivermont Drive, Hilton Village, Va.
 1926 Prentiss, Mrs. W. A., 1399 Northampton St., Holyoke, Mass.
 1942 Prescott, Mr. C. S., Lyncott Addition, North Muskegon, Mich.
 1937 Price, Mrs. R. Moore, New Hope, Pa.
 1941 Proctor, Dr. Fred O., Jr., 6 Market Square, Portsmouth, N. H.
 1940 Protzman, Mrs. Harold, 1014 43rd St., Sacramento, Calif.
 1937 Pudor's Incorporated, P. O. Box 147, Puyallup, Wash.
 1934 Puffer, Mr. W. J., 463 Pasadena, Webster Groves, Mo.
 1941 Pumphrey, Mrs. J. H., Gibsland, La.
 1937 Quinn, Mrs.. Leonard D., 132 Dwight St., Kewanee, Ill.
 1941 Radke, Mr. O. C., 824 East Wood St., Decatur, Ill.
 1941 Ragland, Mrs. Stuart, 4313 Hanover Ave., Richmond, Va.
 1940 Ramsbottom, Mr. I. J., Care Baker Bros., 5404 Preston Road, Dallas,
 Texas.
 1941 Randolph, Mr. L. F., College of Agriculture, Cornell University,
 Ithaca, N. Y.
 1940 Randolph, Mrs. Robert Lee, Indian Trail Garden, Alexandria, La.
 1942 Rankin, Mr. Albert H., Woodside Drive, Millbrook, Greenwich, Conn.
 1928 Rankin, Miss Mary, 514 North East Street, Greensburg, Ind.
 1942 Rapier, Miss Edith W., Care Trinity Hospital, 2000 Main St., Little
 Rock, Ark.
 1940 Rawlins, Mrs. Samuel P., 1244 Park Street, Bowling Green, Ky.
 1940 Ray, Mrs. John B., 1042 Elmwood Drive, Abilene, Texas.
 1940 Ray, Mrs. S. W., 2271 Lipsecomb St., Fort Worth, Texas.
 1938 Reed, Mrs. Roland, 1308 E. Washington St., Bloomington, Ill.
 1939 Ream, Mrs. Mary Nelson, 201 15th St., N. E., Atlanta, Ga.
 1941 Reckless, Mrs. Walter C., 2949 Neil Ave., Apt. 302 A, Columbus, Ohio.
 1923 Reed, Dr. George M., Brooklyn Botanic Gardens, Brooklyn, N. Y.
 1928 Rees, Miss Ruth, 1059 Bird Ave., San Jose, Calif.
 1941 Reeves, Mrs. J. L., 627 Marshall Ave., Webster Groves, Mo.
 1940 Reeves, Mrs. Mart W., Preston Downs, R. D. 5, Box 408, Dallas, Texas.
 1940 Reid, Mrs. J. A., 100 Market St., Sioux City, Iowa.
 1941 Reid, Mrs. W. R., Box 129, Prescott, Wash.
 1940 Reilly, Mrs. Nona M., Box 657, 403 W. Shaw St., Tyler, Texas.
 1934 Reiser, Mr. Otto, 638 N. Sultano Ave., Temple City, Calif.
 1941 Reiser, Mr. Wm. G., 1235 Glenview Ave., Glenview, Ill.
 1940 Rexford, Col. Clarence E., St. Paul's School, Concord, N. H.
 1940 Reynolds, Mrs. Harry E., 2132 Jefferson St., Duluth, Minn.
 1937 Reynolds, Mrs. Kenyon L., 885 S. San Rafael Drive, Pasadena, Calif.

- 1933 Reinhardt, Mr. John C., 2006 Fifth Ave., Evansville, Ind.
 1942 Richards, Mrs. D. E., Box 128, Union, Oregon.
 1941 Richards, Mr. Walter C., 126 Gray Ave., Webster Groves, Mo.
 1931 Rieher, Mrs. J. M., South Whitley, Ind.
 1933 Ricker, Mrs. Ralph E., 1516 Ross St., Sioux City, Iowa.
 1939 Riddle, Dr. Matthew C., 2557 S. W. Vista Ave., Portland, Oreg.
 1940 Rider, Mrs. O. L., 229 N. Smith St., Vinita, Okla.
 1931 Riedel, Mr. J. M. E., 542 E. State Blvd., Ft. Wayne, Ind.
 1926 Ries, Mrs. H., 401 Thurston Ave., Ithaca, N. Y.
 1942 Rigg, Mr. Henry V., 6331 Evanston Ave., St. Louis, Mo.
 1939 Risley, Mrs. Thomas E., 1044 N. Van Ness Ave., Fresno, Calif.
 L Ristine, Mrs. C. S., Strafford, Penna.
 1940 Ritchie, Rev. Christenberry A., 72 Main St., Binghamton, N. Y.
 1936 Roan, Mr. William, 902 Capital Ave., Ellensburg, Wash.
 1937 Roberts, Mrs. Charles F., 226 Forrest Ave., Norfolk, Va.
 1940 Roberts, Mr. Winston, Box 1851, Boise, Idaho.
 1922 Robinson, Mr. F. W., 390 East Grand Blvd., Detroit, Mich.
 1937 Robson, Dr. H. L., Box 56, Lewiston, N. Y.
 1936 Roecker, Mrs. W. F., 3319 N. 14th St., Milwaukee, Wisc.
 1925 Rogers, Dr. Ford B., Peacock Park, Fairmount, W. Va.
 1941 Rogers, Mr. Guy, Kilgore & Rogers, First Natl. Bank Bldg., Wichita Falls, Texas.
 1941 Rogers, Mr. J. Lee, R. 1, Bison, Okla.
 1933 Rogers, Mrs. Oscar B., 9413 218th St., Queens Village, N. Y.
 1939 Rogers, Mr. Ralph, 3219 Thompson Ave., Alameda, Calif.
 1940 Rogers, Mrs. R. E., 901 Berkley, Pueblo, Colo.
 L Root, Mr. Edward W., Hamilton College, Clinton, N. Y.
 1938 Rose, Mr. J. C., R. D. 4, Russellville, Ark.
 1941 Rose, Mrs. W. R. 2340 Lipsecomb St., Fort Worth, Texas.
 1939 Rosecrans, Mr. Jackson L., 14997 Bringard Drive, Detroit, Mich.
 1937 Ross, Dr. John W., Montgomery, N. Y.
 1941 Ross, Mr. Marshall M., 210 N. 23rd St., Corvallis, Oreg.
 1936 Ross, Mrs. Ronald L., Box 413, Tallmadge, Ohio.
 1941 Royse, Mr. E. E., Barton Road at Briggs Ave., Parsons, Kansas.
 1927 Rubel, Mr. M. F., Rubel Nurseries, Corinth, Miss.
 1940 Rudy, Mr. Claude E., 9283 East Breckenridge, Overland, Mo.
 1938 Rust, Mrs. W. F., Leesburg, Va.
 1937 Ryan, Mrs. Sarah F., Box 155, Glenview, Ill.
 1940 Sabatini, Mrs. J. W., 2011 So. Marsalis Ave., Dallas, Texas.
 1925 Salbach, Mr. Carl, 657 Woodmont Ave., Berkeley, Calif.
 1940 Salois, Mrs. John R., 6322 Lakeshore, Dallas, Texas.
 1942 Sanford, Mr. William, Starrucca, Penna.
 1935 Sansone, Mrs. Anthony, P. O. Box 722, Chattanooga, Tenn.
 1936 Sapp, Mrs. J. A., 2317 Pennsylvania Ave., Joplin, Mo.
 1938 Sargent, Mrs. Herbert L., R. F. D., Freemont, N. H.
 L Sass, Mr. Henry E., Maple Road Gardens, R. D. 7, Benson Sta., Omaha, Nebr.

- C Sass, Mr. H. P., Elkhorn, Nebr.
- C Sass, Mr. Jacob, R. D. 7, Benson Station, Omaha, Nebr.
- 1937 Saylor, Mr. Henry H., Bay Avenue, Huntington, N. Y.
- 1932 Schirmer, Mr. Carl O., 6106 King Hill Ave., St. Joseph, Mo.
- 1937 Schirmer, Dr. H. W., 5701 South 2nd St., St. Joseph, Mo.
- 1942 Schmitt, Mrs. Fred W., 94 Lee Ave., Brooklyn, N. Y.
- C Schmidt, Mr. Louis, 401 Tecumseh Ave., Mount Vernon, N. Y.
- 1941 Schneeman, Mrs. Charles E., 1461 E. 63rd St., Brooklyn, N. Y.
- 1939 Schoelles, Mrs. Iva F., Sanborn, N. Y.
- 1941 Schowe, Mr. Francis L., 602 Union St., Columbus, Ind.
- 1931 Schreiner, Mr. Robert V., R. D. 1, Riverview Station, St. Paul, Minn.
- 1941 Schroeder, Miss Barbara, Warrensburg, Ill.
- 1939 Schroeder, Mr. Ralph M., Warrensburg, Ill.
- 1940 Schuergers, Mrs. P. J., 7706 16th Ave., N. W., Seattle, Wash.
- C Schumm, Mr. Lorenz G., 302 C Street, La Porte, Ind.
- L Scott, Mrs. Arthur H., R. D. 3, Media, Penna.
- 1939 Scott, Mrs. Winifred, 222 West Aley, Wichita, Kansas.
- 1940 Scritchfield, Mrs. L. J., Lowell, Ind.
- 1926 Scruggs, Mrs. Gross R., 3715 Turtle Creek Blvd., Dallas, Texas.
- 1940 Seabury, Mrs. Edwin D., Pisgah, Iowa.
- 1934 Seaton, Mr. R. A., 205 Primrose St., Chevy Chase, Md.
- 1941 Sebring, Mrs. Roy, R. D. 1, Walnut & Oak Streets, Chino, Calif.
- 1939 Seitz, Mr. Al. F., 122 East Second St., Mt. Carmel, Ill.
- 1937 Sengstock, Mr. J. L., 10735 Longwood Drive, Morgan Park Stations, Chicago, Ill.
- 1937 Sensenbach, Mr. Cloyd F., 612 Berwick St., White Haven, Penna.
- 1938 Shank, Mrs. Nancy L., 117 E. Olive St., Corona, Calif.
- 1938 Sharp, Miss Estelle L., Berwyn, Penna.
- 1940 Shaw, Mrs. Fred E., 18 Cushing St., Medford, Mass.
- 1940 Shay, Mrs. Arthur H., 315 E. Main St., Streator, Ill.
- 1942 Shaylor, Mr. C. M., 94 School St., Agawam, Mass.
- 1941 Shelton, Miss Alta, 304 West Tuscaloosa St., Florence, Ala.
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OF THE
AMERICAN IRIS SOCIETY

JULY, 1942

No. 86

CONTENTS

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Listing registrations, introductions, corrections, and additional
varietal data from autumn 1939 to January 1942.

Compiled by

ETHEL A. S. PECKHAM, *Editor Iris Check List 1939*

Assisted by

CHAS. E. F. GERSDORFF, *Registrar*



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8. Mrs. W. F. Roecker, 3319 North 14th St., Milwaukee, Wis.
9. Dr. Franklin Cook, 636 Church St., Evanston, Ill.
10. Frank E. Chowning, 2110 Country Club Lane, Little Rock, Ark.
11. Mrs. Mary F. Tharp, Payette, Idaho.
- 12.
13. Dr. R. E. Kleinsorge, Silverton, Ore.
14. Mrs. G. G. Pollock, 1341 45th St., Sacramento, Calif.
15. Mrs. Lena M. Lothrop, 3205 Poplar Blvd., Alhambra, Calif.
16. W. E. Saunders, London, Ontario, Canada.

Chairmen of Committees:

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Membership and Publicity—Mr. W. J. McKee, 45 Kenwood Avenue, Worcester, Mass.

Registration—C. E. F. Gersdorff, 1825 No. Capitol St., Washington, D. C.

Exhibition—Mrs. Ralph E. Ricker, 1516 Ross St., Sioux City, Iowa.

Recorder of Introductions and Bibliography—Mrs. W. H. Peckham,
The Lodge, Skylands Farm, Sloatsburg, N. Y.

Awards—Mr. J. E. Wills, Belle Meade Blvd., Nashville, Tenn.

Japanese Iris—Dr. George M. Reed, Brooklyn Botanic Garden, Brooklyn, N. Y.

IRIS CHECK LIST, 1939—Lists 19,000 names of iris and parentages; over 500 pages. Price \$3.00 to members; \$4.00 to non-members.

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THE EDITOR'S BULLETIN BOARD

As a measure of wartime economy the Directors have decided that the Supplement to the *Iris Check List 1939* be issued as one of the four 1942 BULLETINS. Nothing but this material is included within the covers of this BULLETIN. Just what it consists of is fully explained in Mrs. Peckham's own foreword. We recognize it as a long and painstaking compilation,—another outstanding contribution to the work of the Society. Our Registrar, Mr. Gersdorff, likewise deserves a bouquet for the assistance he has rendered.

The list of the 1942 awards, ratings, varietal notes, and the usual resumès of this year's iris season will appear in BULLETIN No. 87 which is to follow early this fall.

F. W. CASSEBEER, *Editor*.

American Iris Society

ALPHABETICAL IRIS
CHECK LIST

1939

SUPPLEMENT I

Editor

E. A. S. PECKHAM

Registrar

C. E. F. GERSDORFF

Revised Corrected to January 1st

1942

FOREWORD

This supplement must be used with the Check List 1939 as it has been advisable to cut it to the bone. It contains all material collected since September 1st 1939. It is a pity that catalogue makers and others still do not read their proof carefully as it is a waste of time for us to record their many misspellings. Much that seems foolish to print has been included here to get the record straight. After one prints a check list many come forward to give us the information for which we asked and which they neglected to send us. Critics, who have not the material that has been available to us, should accept what is printed here and not think because they saw something different in a Bulletin or in a catalogue, that we have made a mistake. Rules are changed from time to time in the A.I.S. and varieties have to abide by the rules that were in force at the time decisions were made. We cannot make the rules retroactive.

We have done what we can to use the registration, approval, disapproval of names and recording of synonyms to get breeders, nurserymen and others to stop certain practices which were inimical to the spread of interest in good Irises and most people have been very willing to fall into line and help. I think we have now reached a stage where the A.I.S. and the Iris Society (England) can be proud of what has been accomplished to get things sorted out. Now we are at the point here in the A.I.S., of requiring that a variety shall be registered before it can receive one of our awards. As practically all of the fine new varieties are registered nowadays this is no hardship; but it will help to get the casual ones to let us know what they have and to register promptly before they introduce. One reason the majority of varieties are registered at the present time is partly because of Mr. Gersdorff's industry in writing to ask introducers of new things to register them. We would never know about all the new things if we did not spend endless time searching catalogues, lists, advertisements, articles in horticultural magazines and judge's notes etc.

There are too many Irises introduced but the standard is so high at the present time that one should not object very much because this is the way our gardens are improved. Just handing plants around helps; but plenty of people seem to think something that costs money is far finer than a windfall gift. The number of varieties that were handed out, never sold, and were then superseded is relatively small compared with those sold. If a thing is really good the public clamors for it and some alert nursery man persuades the raiser or owner to let him put it on the market.

Until this war is over and things settle down, changes in relation to the nomenclature of one, or possibly two, species will have to wait. The A.I.

S. check lists are based on *horticulture*, are used by horticulturalists and the botanists' arguments and chopping and changing has little effect upon the main mass of dealers. They will conform to our way in time and we have no right to change suddenly and upset a long established name that does not matter much anyhow and which will cause heavy expense in printing. If you hear rumors that so and so species is really something else and that we do not know our Irises, just hold your horses (or tanks) for we will change at the proper time when all data is nicely proven; but we will not do it at a time when only half the information can be available and we are not in a position to discuss the matter properly with our confreres the other side of the water.

About the matter of names: several members have written articles from time to time in our Bulletins on this subject and the Check List Committee have been long suffering in having to read over and over again these names people give Irises. Some are very fine names to be sure, but some are really dreadful! An Iris is usually (and should be) a beautiful thing and it deserves a suitable name, if possible, describing its style, charm, character and so forth. There have been many objections to naming after people; "because the Iris does not look like them", is one you hear. This habit is not too bad provided the names are attractive. If a person you want to compliment has the misfortune to possess a name that has an unpleasant meaning is there any reason why you cannot use the first names and not the patronymic? And, why use a nice sounding word in another language that in ours means tea-kettle? One visualizes a bulgy creature, at his best, always hissing. If you use a foreign tongue, why not have it correct and not a hodge-podge, half English and half the other language? It is no compliment to a flower to saddle it with a mistake. The flip, "smart alec" names that we think such fun among ourselves, seem very silly to others who cannot understand the circumstances of the naming and names suspended in the air are hideously uncomfortable also. Why adverbs instead of adjectives? A person who works much with this Iris list soon finds herself applying certain attributes to certain namers, which characteristics probably are not correctly applied at all as she never met the people and knows nothing of what they really are. She sees how they run to styles of naming and she labels them "romantic", "sugary", "sensible", "well-read", "widely knowledgable", "humdrum" and so on. She notices how changes and trends in the world are automatically recorded and every year she is more astonished at what breeders think are "lovely names"! She is intrigued also at the small amount of effort exercised to find suitable names because there are a great many fine ones that have never been used at all and every Annual Meeting she attends she hears someone ask where someone else gets their "wonderful names" and hears the reply

"It is a secret". Nonsense, there are two really good names right in this foreword and possibly more!

Just the same, we should name few of our seedlings, they should be kept under number unless likely to be introduced. To use the A.I.S. files to keep our breeding records is not fair to the other members whose money is helping to pay for the printing.

The Check List Committee does need catalogues and lists sent to them to do the work properly. I have appealed many times for these and a few very kind and generous members send them in and I am very grateful to them. In your zeal to help the Country's paper collection please do not contribute catalogues and lists that list Irises but send them to me, I will be glad to pay the postage, and I promise to send the duplicates to the paper collector, retaining the others to fill the gaps in our files. Register your names with Mr. Gersdorff and write us who introduces your varieties and so save effort and expense for the A.I.S. by doing your part before we have to ask.

We thank you heartily for what you have already done and hope you will do lots more.

ETHEL ANSON S. PECKHAM,
Editor, Check List.

ADDITIONS AND CORRECTIONS TO CHECK LIST 1939

Supplement I

Revised to January 1, 1942

CLASSIFICATION

Group I

IMB Intermediate Miscellaneous Bearded Section. Hybrids between species or forms of the sections Oncocyclus, Regelia, Evansia and species or forms of the group Pogoniris and which are themselves bearded, but from eighteen to twenty-eight inches in height inclusive.

SEASON CLASSIFICATION

N.B. It is taken for granted that Tall Bearded varieties lacking a season classification are probably mid-season or M.

COLOR CLASSIFICATION

In the squares with the crosses after B3, the square equals B4, the next, B5. In the Yellow line, the first square equals Y1 and the seventh square Y7.

rev. or rev added to the color symbol letters, means reversed, i.e. the darker tone *above*.

FRAGRANCE ABBREVIATIONS

ch.....	Cherry
tr. ar.....	Trailing Arbutus
M.....	Medium
pu ho.....	Wild honey
wis.....	Wistaria

AWARD ABBREVIATIONS

2nd C.C. Second Class Certificate

LIST OF ABBREVIATIONS OF NAMES OF ORIGINATORS, ETC.

- 12A—Journal Royal Horticultural Society 65: Pt. 8, 261-264. Aug. 1940, Trials.
- Aiken—The Aiken Nurseries Inc., Putney, Vt.
- Alpenglow—Alpenglow Gardens, (Michaud & Co.), New Westminster, B. C., Canada. Seeds, Alpines, Perennials, Shrubs.
- Astolat—Astolat Co. Ltd., Astolat Corner, Peasmarsh, Guilford, Surrey, Eng. Alpines, Hardy Rock Plants.
- Ayres-Emig.—Dr. W. McL. Ayres (breeder), and Mrs. J. F. Emigholz (selector), Cincinnati, Ohio.
- Bailey-Mrs.—Mrs. Arthur Bailey (deceased), Monroe, Wash. Breeder.
- Bech.—Mr. & Mrs. Jos. C. Becherer, 4809 Hamburg Ave., St. Louis, Mo.
- Beck—Edgar S. Beck, 1105 W. Mississippi Ave., N. Chattanooga, Tenn. Breeder.
- Bent—Harold T. Bent, 110 Edgell Rd., Framingham Center, Mass. Breeder.
- Bide—S. Bide & Sons Ltd., Alma Nursery, Farnham, Surrey, Eng. Bulbs.
- Bijvoet—A. W. Bijvoet, or Byvoet, Overveen, Holland. Now out of existence.
- Billmyrt—Billmyrt Gardens, Kent, Wash.
- Bloese—Mr. A. F. Bloese, 128 Roseneath Ave., Battle Creek, Mich.
- Boothman—Stuart Boothman, Nightingale Nursery, Furze Platt, Maidenhead, Berks., Eng. Hardy Rock and Alpine Plants.
- Bostock—F. Bostock. Deceased 1940.
- Bowie—Bowie Landscape Service, 1513 W. Tioga St., Philadelphia, Pa. Lists some unusual species.
- Cald.—Wentworth Caldwell, 500 2nd Ave., Nashville, Tenn. Amateur, Iris Breeder.
- Cap.—William John Caparne (1856-1940). Obituary, Yr. Bk., I. S. (E.) 57-58. 1940. (Portrait.)
- Carp.—C.—Carl Carpenter, 209 West 8th St., Owensboro, Kentucky.
- Carruth—Charles M. Carruth (1878-), 354 Brooks St., Worcester, Mass. Breeder.
- Cassebeer—Frederick W. Cassebeer (1896-), Blauvelt, N. Y. and 953 Madison Ave., New York, N. Y. Pharmacist, Photographer, Iris and Gladiolus Breeder. Director and Editor, A.I.S. 1940- .
- Casselmann—Arthur J. Casselman, M.D., 301 N. 2nd St., Camden, N. J. Breeder.
- Clements—V. D. Clements & Co., 12 Nonsuch Court Ave., East Ewell, Surrey, Eng.
- Cochran—W. R. Cochran, Praetorian Bldg., Dallas, Texas. Breeder.
- Collier-Mr.—Mr. H. L. Collier, Treasurer, Seattle, Wash.
- Collister—Collister Gardens, Boise, Idaho.
- Constable—W. A. Constable Ltd., The Lily Gardens, Southborough, Tunbridge Wells, Eng. Bulbous Irises, Lilies etc.
- Cook-F.—Dr. Franklin Cook, 824 Gaffield Place, Evanston, Ill.
- Cranfield—W. B. Cranfield, F.L.S., V.M.H., East Lodge, Enfield Chase, Middlesex, Eng. Iris Breeder.
- Crissey-McD.—Bor.—W. L. Crissey (raiser fr. seed), Brookings, Ore., C. L. McDonald (segregated the variant), Salem, Ore., and Wm. Borsch & Son Inc. (namer), Maplewood, Ore.
- Davis-M.—Montgomery Davis, 148 S. Bristol Ave., Brentwood, W. Los Angeles, Calif.
- Day—V. E. Gordon Day, "Home", Chaldon Common, Caterham, Surrey, Eng. Iris Breeder.

- Dickson-R.—Dickson & Robinson, Ltd., Cathedral St., Manchester, Eng. Seeds, Bulbs, Plants. List many Bulbous Irises.
- Doran—E. H. Doran, 3377 S. 17th St., Omaha, Nebr. Iris Breeder.
- Dropmore—F. L. Skinner, Manitoba Hardy Plant Nursery, Dropmore, Manitoba, Canada. Large General Nursery.
- Eddy—Eddy Garden Service, Paradise, Pa. Listed many Bulbous Irises.
- Eller—Dr. W. H. Eller, 1717 Sunset Drive, Seattle, Wash. Breeder.
- Ellis-G.—Granville Ellis, London Road, Sunningdale, Eng. Alpines, Rock Plants.
- Encino—Encino Iris Gardens, 15538 Ventura Blvd., Van Nuys, Calif. Iris Specialists.
- Fair.—Fairmount Iris Gardens, 166 Fairmount Ave., Lowell, Mass. (Later, Fairmount Gardens). See also under Nes.
- Fay—O. W. Fay, 1522 Isabella St., Wilmette, Ill. Iris Breeder.
- Ferard—Mons. L. Ferard, 22-23 Rue de la Pépinière, Paris, France.
- Fiske-C.—Chesterfield Fiske, Fiske's Post Road Nursery, Northboro, Mass.
- Fitzhugh—William C. Fitzhugh, Arkansas Natural Gas Corp., Legal Division, Shreveport, La. Breeder.
- Floralia—Weekblad voor het Landhuis, Floralia, Klophuisplein 5, Haarlem, Holland.
- Fogwills—Fogwills Ltd., Seed House, Guilford, Surrey, Eng. Bulb and Seed Growers.
- G. & A.—Gibson and Amos Ltd., The Gardens, Cranleigh, Surrey, Eng. Small Nursery. Gladiolus, Iris and Carnation breeders, now out of business (1940).
- G. & M.—Gibson & Mitcham Ltd., Station Buildings, Kingston-on-Thames, Eng. Bulb Specialists. List Bulbous Irises.
- Gard. Chron. Am.—Gardener's Chronicle of America, New York, N. Y. Practical magazine having a few articles about Irises.
- Gers.—Now (1941) Assistant Chemist, U. S. Dept. of Agriculture.
- Giard. Fior.—Giardino Fiorito, Rome, Italy. A small illustrated gardening magazine.
- Grisso—Mrs. Alice V. Grisso, 1304 N. W. 16th St., Oklahoma City, Okla. Iris Breeder.
- Hall—Charles Henry Hall (1860-1939); etc.
- Hallauer—N. A. Hallauer, Webster, N. Y. Alpines, Bulbs, etc. Established abt. 1915.
- Hansen—N. E. Hansen, Dept. of Hort., Agri. Exp. Station, S. Dakota State College of Agri. and Mechanic Arts, Brookings, S. D. Professor, Breeder of various horticultural products, including Irises.
- Hastings—H. G. Hastings Co., Atlanta, Ga. Large Nursery. Seedsmen, Bulbs, etc. List Japanese, Bearded and Siberian Irises.
- Hatley—Miss A. L. Hatley, Wentworth House, Maldon, Essex, Eng. See Hutley.
- Haydon—Mrs. Stella Haydon (1883-), 644 S. Flood St., Norman, Okla. Iris Breeder.
- Hellings—F. Wynn Hellings. Awarded Foster Memorial Plaque 1940.
- Henderson—William H. Henderson, Route 5, Box 22, Fresno, Calif.
- Henry—Mrs. J. Norman (Mary G.) Henry, Gladwyne, Pa. Explorer, Plant Collector. Alpine plant enthusiast.
- Hillen.—Louis E. Hillenmeyer, Walter W. Hellenmeyer, Hillenmeyer Nurseries, Lexington, Ky. General nursery, established 1841.
- Hillson—H. M. & R. C. Hill, Hill Iris & Peony Farm, Lafontaine, Kan. (Formerly Hill-H. M.).
- Hinch.—Miss K. M. Hinchliff, Worlington House, Instow, North Devon, Eng. Iris Breeder.

- Hires—Mrs. J. Edgar (Thura Truax) Hires, 107 Linwood Ave., Ardmore, Pa. until 1940, then "Rehobeth", Strafford, Pa. Writer and Iris enthusiast. Active in affairs of A.I.S. for many years and Director for some years (1928-1935).
- Hodson—E. L. Hodson, 470 Greenfield Ave., Glen Ellyn, Ill. Breeder.
- Homan—This firm were not "introducers of Van Buggenum bulbous Irises"; but breeders and distributors of Bulbous Irises. Now out of business (1940).
- Homan-H.—N. V. H. Homan & Co., Oegstgeest, Holland. Bulbgrowers, introducers of the Van Buggenum Bulbous Irises.
- Houdy.—Cecil E. Houdyshel, La Verne, Calif.
- Huntgn.—R. E.—Ralph E. Huntington Nursery, 94 E. Jackson St., Painesville, Ohio.
- Hutley—See Hatley.
- IMB—Intermediate Miscellaneous Bearded Section. Bearded Irises, hybrids between two groups and of Intermediate height.
- Ingwersen—W. E. Th. Ingwersen Ltd., Birch Farm Hardy Plant Nursery, Gravetye Estate, East Grinstead, Sussex, Eng. Rock Plants, Alpines.
- Insole-Mrs.—Mrs. G. F. Insole, The Court, Llandaff, S. Wales.
- Jay—J. C. Jay. (Deceased 1936.)
- Jefferies—John Jefferies & Son Ltd., The Royal Nurseries and Seed Establishment, Cirencester, Eng. Established 1795.
- Kanouse—A. N. Kanouse, Floravista, Route 3, Olympia, Wash. Iris Breeder.
- Ketchum—Mrs. Morgan (Marion Kirkland) Ketchum, 178 S. McLean Blvd., Memphis, Tenn. Iris Breeder.
- Kirk-Williams—J. H. Kirkland (breeder) and T. A. Williams (registrant), Nashville. Tenn.
- Koeh.—Frank F. K. Koehler (1880-). Born in German Embassy, Rome, Italy, has written many articles in horticultural magazines. Interested in improvement of plants including Irises. Etc.
- Ladhams—Ernest Ladhams, The Elstead Nurseries, Nr. Godalming, Surrey, Eng. General Nursery.
- Lane-B. H.—Bernard H. Lane, 5327 Conduit Rd., Washington, D. C. Iris Breeder.
- Larsen—Carl A. Larsen, 1510 S. 10th St., East, Salt Lake City, Utah. Breeder.
- LeGron—W. R. LeGron, (formerly LeGron Floral Co.), 125 Amherst Drive, Toledo, Ohio (1939). Gladiolus and Irises.
- Lehman—The Lehman Gardens, Fari-bault, Minn. Small general nursery. Bearded and Siberian Irises.
- Lewis-H.—Mrs. Herman E. (Carrie Stover) Lewis. Deceased 1940.
- Liv.—Mrs. Ethel V. Livingstone, 124 7th St., San Bernardino, Calif. Iris Breeder.
- Long-B. R.—B. R. Long, 1 Lon Cynfor, Cwmgwny, Swansea, Wales. Iris Breeder.
- Loth.—Mrs. L. R. (Lena M.) Lothrop, 3205 Poplar Ave., Alhambra, Calif. (1940).
- Louis.—The Louisville Nurseries, St. Matthews, Ky.
- Maple—(Mrs. C. G. Whiting), Maple Valley Iris Gardens, Mapleton, Iowa.
- Martin-J.—J. W. Martin, Martin's Gardens, 6621 Moraga Ave., Oakland, Calif.
- Martin-S.—S. J. W. Martin, Martin's Gardens, 6621 Moraga Ave., Oakland, Calif. Iris Breeder.
- Miller-C.—Mrs. Corrine Miller, Route 2, Box 199, Placerville, Calif.
- Miller-W.—William W. Miller, 3441 Home Ave., Berwyn, Ill. Iris Breeder.
- Mohr-Berry—William Mohr (breeder) Mt. Eden, Calif. and S. S. Berry (selector), Redlands, Calif.
- Monroe—Commander John A. Monroe (1886-1938).

- Monroe-Loth.—Commander John A. Monroe (breeder), Chula Vista and Mrs. L. R. Lothrop (registrant), Alhambra, Calif.
- Mor.—Etc., Secretary, A.I.S. for a number of years.
- Oncobred—Mr. C. G. White's name for his Irises of part Oncocyclus strain.
- Parker—Mr. Parker, Wilmington, Mass.
- Peck-A.E.-Bent—Albert E. Peck, Framingham, Mass. and Harold T. Bent, Framingham Center, Mass. (Co-breeders.)
- Radke—O. C. Radke, 824 E. Wood St., Decatur, Ill. Breeder.
- Reibold-Mrs.—Mrs. F. E. Reibold, Corona del Mar, Calif. Iris Breeder.
- Reinelt—Frank Reinelt, Capitola, Calif. Iris Breeder.
- rev. or rev—Added to the color symbol letters, means reversed, i.e. the darker tone *above*.
- Roberts—Winston Roberts, Collister Gardens, Box 1851, Boise, Idaho.
- Rockmont—Rockmont Nursery, Boulder, Colo. See under And.
- Ross-A.—Alexander M. Ross, London, Ont., Canada.
- Royal-P.—Royal Palm Nurseries, Oneco, Florida.
- Schreiner-R.—Robert Schreiner (1910-), St. Paul, Minn. Iris Breeder. See under Schreiner.
- S.D.E.P.—South Dakota Agricultural Experiment Station, Brookings, S. D.
- Sheridan—The Sheridan Nurseries Limited, 4 St. Thomas St., Toronto 5, Ont., Canada. Large general nursery.
- Simpsons—W. H. Simpson & Sons, 209 Monument Rd., Edgbaston, Birmingham, Eng. Large Nursery. Seedsmen and Bulb merchants.
- Smi.-W. J.—William J. Smith, 739 Church St., Millersburg, Pa. Iris Breeder.
- Smiley—Erle Smiley, Smiley's Water Gardens, Seward, Nebr. Iris Breeder. Deceased 1938.
- Stahl.-Wash.—Mrs. Edward Claiborne Stahlmann, Nashville, and Thomas A. Washington, Nashville, Tenn. Co-breeders of Irises.
- Starke-A.—Starke-Ayres, (C. Starke & Co. Ltd., Inc.; Chas. Ayres), Mowbray, Cape, S. Africa. Seedsmen, Nurserymen, Florists.
- Stephen.—B. N. Stephenson, Sioux Iris Gardens, 1117 S. Cecelia St., Sioux City, Iowa. Iris Specialist and Breeder.
- Stone-W. C.—Walter C. Stone, 17 Second St., Iris Gardens and Perennials, (110 Main St.), Camden, N. Y.
- Suhr—Suhr's Flower Farms, Troutdale, Ore. Perennials and Irises.
- Swarthmore—Scott Arboretum, Swarthmore, Pa.
- Taylor-F. E.—Fred E. Taylor, 2425 Rose Ave., Altadena, Calif. Breeder.
- Taylor-W.—W. E. Taylor, Amity Gardens, Box 43, Amity, Ore. Iris Breeder.
- Thorup—Herman F. Thorup. (Deceased.)
- Van Velsen—Peter van Velsen et Fils, Overveen, près Haarlem, Holland. Founded 1834. Followed by Van Velsen Bros. Bulbgrowers.
- Ver. Verna Section. *I. verna* and descendants.
- Vest—Lorenz Chrysanth von Vest (1776-1840), Gratz, Austria. Botanist.
- Vilm-H.—Henri Levêque de Vilmorin (1843-1899), France. Horticulturalist, Plant Collector and famous Director of Parks.
- Wada—K. Wada, Hakoneya Nurseries, Numazu-shi, Japan. Iris Breeders.
- Wakeley—Wakeley Bros. & Co. Ltd., Bankside, London S.E.1, Eng.
- Wareham—John Dee Wareham, Cincinnati, Ohio. President and Treasurer, Rookwood Pottery Co. See under Wrhm.
- Webb—Edward Webb & Sons (Canada) Ltd., 145 King St., East, Toronto Canada.
- Webster—Mrs. Edwin S. Webster, 306 Dartmouth St., Boston, Mass. Amateur gardener and Iris hybridiser.

- Wern.—Mrs. Henry Wernimont, Fillmore Gardens, Ohio, Nebr. Iris Breeder.
- White-A.—Mrs. David K. (Alice) White, P. O. Box S. 64, Hemet, Calif. Breeder.
- White-C. G.; Hellings—C. G. White (breeder), Redlands, Calif. and F. Wynn Hellings (registrant), Esher, Surrey, Eng.
- White-C.G.-Sturt.—C. G. White, Redlands, Calif. (raiser), and Miss G. Sturtevant, Wellesley Farms, Mass. (selector).
- Whiting-Hillson—Mrs. C. G. Whiting (breeder), Mapleton, Iowa, and Hill Iris and Peony Farm, LaFontaine, Kan. (registrant and co-introducer).
- Williams-J. C.—Mrs. J. C. (Emma) Williamson, Route 2, No. 93, Santa Rosa, Calif.
- Williams-P. J.—Miss Peggy Jean Williams, Iris City Gardens, Brentwood, Tenn. Iris Breeder and enthusiast.
- Wisbech—The Wisbech Bulb Co. Ltd., Wisbech, Cambs., Eng. Bulbgrowers.
- Wiseman—Wiseman's, Elgin, Scotland. Nurserymen and Bulbgrowers.
- Wmsn.-Peck.—E. B. Williamson (breeder), Bluffton, Ind. and Mrs. E. A. S. Peckham (selector and registrant), Sloatsburg, N. Y.

IRIS NAMES

- Aareshort.** Mt. Upton 1940; **AARES-HORST.**
- ***ABALONE.** TB-M-S7M (Tobie).
- ABALONE.** TB-LaM-R4L (Tobie N.); R., 1940; (JUNALUSKA × MERCEDITA); □.
- ABEDNEGO.** TB-M-W2M (Horton N.); R., 1940.
- A. BLOEMAARD.** Dut. Etc., **Bloe-maerts.**
- ABORA.** Etc., R., 1928.
- ACE OF SPADES.** TB-M-B7D (Salb. 1941); Salb. 1941; R., 1941; (DAUNTLESS × MODOC) × (DARK KNIGHT).
- ACHIEVEMENT.** Jap-Dbl-4BD (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).
- ACHILLES.** TB-M-R7D (Stevens-W.R. N.); R., 1941; (INSPIRATION × WELLINGTON); □ sl.
- Acoroides.** Starker 1941; **PSEUDACORUS BASTARDI.**
- ADA LYONS.** TB-M-S7M (Callis 1941); Callis 1941; R., 1940; (WILLIAM ASBURY × LOUIS PASTEUR); □ lil.
- ADELANTO.** TB-E-M-Y6D (De Forest 1941); De Forest 1941; R., 1941; (DRUID × ALTA CALIFORNIA) × (NARANJA); **Don Jose** (De Forest); □ sl.
- ADELITA ROBINSON.** Etc., (Seedlg. × Seedlg.).
- ADEN.** Etc., Bronze Medal, I.S. (E.) 1937; Yr. Bk., I.S. (E.) 30, 1937.
- ADIOS.** TB-VLa-Y9D (Cassebeer N.); R., 1940; (SHAH JEHAN × PAROS).
- ADMIRAL.** Eng-M-B1D (San.-L.W. 1932); etc.
- ADOBE.** Etc., R., 1931.
- Adonair.** Gard. Ill. 63: 358. 26 July 1941; **ADONAIS.**
- ADONAIS.** TB-M-S7M (Spender N.); R., 1934; (TALISMAN × PLUIE D'OR) × (FULGORE); **Adonair**; □.
- Adrian Becker.** Oakhurst 1941; **ADRIAAN BACKER.**
- ADUA.** TB-M-Y9M (Senni N.); etc.
- ADVENTURE.** TB-M-Y8M rev (Grant 1941); Fair. 1941; R., 1940; □.
- AFLAME.** IB-M-R4M (Hardee N.); R., 1940; (KING TUT) × (series of R Seedlgs.).
- AFRICA.** Etc., R., 1928.
- Aftergloe.** Wass. 1941; **AFTERGLOW.**
- ***AGAPE.** Etc., □ hel.
- AGATE.** TB-M-R6D (Whiting N.); R., 1940; (SANDALWOOD × GARDEN MAGIC); □ str.
- AGE-OLD CHARM.** TB-M-R1L (Gers. 1941); Callis 1941; R., 1937; (MARGERY × MME. CHERI); □ lo.
- AGLAIA.** RC-W2 (Van T. bef. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 281. 1938; (*korolkowi* × *IBERICA VAN HOUTTEI*).
- AGNES JAMES.** Etc., R., 1939; Gard. Ill. 62: 321. 29 June 1940%.
- Agros.** TB-Y4L (Cay. N.); C.M., S.N. H.F. 1932; Rev. Hort. 104: 163. 16 July 1932; Bull. S.N.H.F. 5th Ser. 5: 262. June 1932.
- AHA.** TMB-E-Y2M (White-C.G. N.); R., 1940; ($\frac{1}{4}$ Onc.).
- ***AI-AI-GASA.** Jap-Sgl-5 Etc., R., 1939.
- AIRFORCE BLUE.** TB-La-B1M (Groff N.); R., 1941; □.
- AIRY FAIRY LILLIAN.** TB-M-R4L (Tobie N.); R., 1941.
- Aisome-gawa.** Laev-B7D Chugai 1939; **AIZOME-GAWA.**
- AIZOME-GAWA.** Laev-B7D (Wada 1935); Chugai 1939; **Aisome-gawa.**
- AKMED.** IMB-E-S1L (White-C.G. N.); R., 1940; ($\frac{1}{4}$ Onc.).
- AKURA MAZDA.** TB-M-Y4D (Miller-W. N.); R., 1940; (GOLDEN HIND × Y Seedlg.); □ gr.
- ALACRITY.** (Peckham 1940); Peckham 1940; etc.
- ALASKA.** IB-E-WW (Schreiner-R. 1940); Schreiner 1940; R., 1940; □ str. cl.
- ALASTOR.** TB-M-S7M (Spender 1940); Schreiner 1940; etc., A.M.,

- A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; etc.
- alata albocoerulea.** Jun-R1L Giard. Fior. 4: 6, 95-96. June 1932; *I. alata*.
- Alba.** (Senni bef. 1937); etc.
- Alba.** Starker 1941; PUMILA ALBA.
- Alba Pumila.** Doub 1941; PUMILA ALBA.
- ALBA SUPERBA.** TB-La-WW (Sass-J. N.); R., 1941; (SNOWKING × LW Seedlg.); □ sl.
- Albatra.** Horton 1941; ALBÂTRE.
- ALBEDO.** (Gers. 1940); Callis 1940; etc.
- ALBERT.** TB-M-B3D (Bommers. 1941); Bommers. 1941; R., 1940; (BUECHLEY GIANT × DOROTHY DIETZ).
- ALBESCENS.** Sib. Etc., R., 1932.
- albicans.** Etc., YEMEN I.; etc.
- ALBINO.** (Van Bugge.); etc., R., 1939.
- albispiritis.** A.I.S. Check List 86. 1939; *I. albispiritus*.
- ALDA.** TB-E-M-Y4D (Tharp N.); R., 1941; (GOLDEN FALCON × W. R. DYKES).
- ALPEPO PLAIN.** TB-La-W8D (Sass-J. N.); R., 1941; (ORLOFF × Y Plicata).
- ALICE.** (Bengough); etc., H.C., I.S. (E.) June 1938; Yr. Bk., I.S. (E.) 28. 1938.
- ALICE AILEEN.** Etc., R., 1928.
- *Alida.** Span. (Homan).
- ALIGHT.** TB-M-W6L rev (Ayres-Emig. 1940); Kenwood 1940; R., 1940; □.
- ALINE.** Etc., R., 1932.
- **ALIOTH.** TB (Bun. 1929); Bun. 1938.
- Aliure.** Horton 1940; ALLURE.
- ALLEN THOMAS.** Jap-Sgl-E-5BL (Fiske-C. N.); R., 1941.
- ALL GOLD.** TB-M-Y4D (Smith-K. N.); R., 1940; (YELLOW JEWEL × CHOSEN).
- ALLINGTON.** (Bun. N.).
- Alliquippa.** Kat. 1941; ALIQUIPPA.
- ALLSPICE.** TB-M-S4M (Groff N.); R., 1941; □ sl.
- ALLURE.** Etc., **Aliure.**
- AL MANSUR.** Etc., □ w. ly.
- *ALMER.** (Baker-G.P. N.); etc.
- ALOIS.** TB-E-R9M (Bommers. N.); R., 1941; (KING TUT × NUMA ROUMESTAN).
- ALPHA.** TB-E-WW (Wash. 1941); Fair. 1941; R., 1940; (WHITE GODDESS × MOUNT CLOUD); □.
- *ALSEIDES.** TB-MLa-R7M (Gers. N.); R., 1938; etc.
- ALWAYS.** Etc., R., 1936.
- ALZA HOLA.** TB-M-B6L (Snyder 1941); Snyder 1941; R., 1941; (EL CAPITAN × DÉPUTÉ NOMBLOT); □ sl.
- *AMA-NO-GAWA NISHIDA.** Jap-Dbl-7B Etc.
- AMARANTH.** TB-M-R1M (Whiting N.); R., 1941; (CHEERIO × OSSAR); □ sl. gr.
- AMBER BEADS.** TB-M-La-Y6D (National N.); R., 1941.
- AMBERINO.** TB-M-S7M (Covert N.); R., 1941; (JEAN CAYEUX × AMITOLA); □ sl.
- AMBER QUEEN.** DB-E-Y4M (Ouden); Bees 1940.
- AMBERWOOD.** TB-M-Y6D (Kirk-Williams N.); R., 1941; □.
- A. M. Cayeux.** ANNE-MARIE CAYEUX.
- AMELIA EARHEART.** Etc., R., 1937.
- A. MERLIN.** TB-E-R3D (Bommers. N.); R., 1941; (CAMELIARD × LORELEY).
- AMICO.** (Dan.); etc., □.
- AMMON.** (Per.) etc., Wayman 1941.
- AMNERIS.** TB-EM-B1D (Mil. 1925); etc., **Amueris.**
- AMPELOS.** (Spender); etc., □ sl.
- Amueris.** Webb 1940; AMNERIS.
- AMY AURIN.** (Callis 1940); Callis 1940; etc.
- Anakin.** Fair. 1940; ANAKIM.
- ANCHORAGE.** (Grant 1940); Fair. 1940; etc.
- ANCHORS AWEIGH.** TB-La-B1D (Groff N.); R., 1941; □ sl.
- ANDANTE.** Etc., R., 1928.
- Andre Barber.** Billmyrt 1939; ANDRE BARBIER.
- AND THOU.** (White-C.G.); etc. H.C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.

- ANGE DU MERIDIAN. TB-EM-Y4D (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION $\times$ *trojana*); $\square$ sl.
- ANGELINE. Etc., $\square$.
- ANGELO. (Hort); etc., Linwood 1940.
- ANGELUS. Etc., Bull. A.I.S. 73: 65. Apr. 1939; 83: 30. Oct. 1941%.
- ANGIE DYSON. (Tobie 1936); Tobie 1936; etc.
- ANGOULÈME. (Mil. 1934); etc., R., 1939.
- ANIA. DB-EE-W2 (Callis N.); R., 1941; (Gorgeous $\times$...) $\times$ (...).
- *ANIMATO. TB-M-Y9L (Gers. N.); R., 1935; etc.
- ANJOU. TB-M-B1M (Mil. 1937); R., 1940.
- ANNABEL. TB-M-B1L (Whiting N.); R., 1941; (BLUE TRIUMPH $\times$ ALINE); $\square$ sl.
- ANNA ELVIRA NASH. (Callis 1941); Callis 1941; etc.
- ANNA GAGE. (Gage 1941); Gage 1941; etc.
- ANNA H. THOMPSON. Etc., R., 1930.
- ANNA LOUISE. TB-M-B1M (Bommers. 1940); Bommers. 1940; R., 1940; (LENT A. WILLIAMSON $\times$ COLUMBINE).
- ANNDELIA. Etc., R., 1928.
- Anne Marie Berthier.** Bull. A.I.S. 82: 60. July 1941; ANNE-MARIE BERTHIER.
- ANNE-MARIE CAYEUX. (Cay. 1928); etc., **A. M. Cayeux; Anne M. Cayenz; Anne M. Cayeux; Ann Marie Cayeau.**
- Anne M. Cayenz.** Horton 1941; ANNE-MARIE CAYEUX.
- Anne M. Cayeux.** Horton 1940; ANNE-MARIE CAYEUX.
- ANNE NEWHARD. TB-VLa-B3D (Wiesner 1940); Fair. 1940; Kellogg 1940; Whiting 1940.
- ANNIE ROSS. (Tharp 1937); etc.
- Ann Marie Cayeau.** Mt. Upton 1940; ANNE-MARIE CAYEUX.
- ANONA. TB-La-S9D (Mil. N.); R., 1940.
- ANSWER. Etc., Bull. A.I.S. 73: 66. Apr. 1939.
- Antares. IB-La-W2M Linwood 1940; prob. Vilm. variety.
- ANTEROS. (Spender); etc., **Eros** (Spender).
- ANTIQUÉ VELVET. Etc., $\square$.
- ANTWERP BLUE. Etc., $\square$.
- *AORANGI. Sib-La-WW (Gers. N.); R., 1934; etc.
- *AOSTA. (Senni); R., 1939.
- APHRA. TB-M-Y1M (Mit. 1941); Salb. 1941; R., 1941; (JEAN CAYEUX $\times$...).
- Aphro $\times$ June.** Tip Top 1940; APHRO-JUNE.
- Aphylla Hungarica.** DB-E-B Ingwersen 1937; HUNGARICA.
- APHYLLA OSIRIS. DB-B3D Per. etc.
- *APOLLON. (Léon 1840); etc.
- APPLAUSE. Etc., R., 1932.
- APPLE BLUSH. Etc., $\square$.
- APPOINTEE. TB-M-Y1L (White-C.G. N.); R., 1941; H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941.
- APRICOT DAWN. Etc., $\square$.
- APRICOT GEM. TB-LaM-Y7M (Lap. N.); R., 1940; (BEVERLY $\times$ RETTA); $\square$ sl.
- APRICOT LIGHTS. TB-M-Y7M (Tharp 1939); Tharp 1939; 1940; R., 1940; (Seedlg. $\times$ QUIVERA).
- APRIL GLOW. Etc., $\square$.
- AQUAFORTE. Etc., (SAPPHIRE (Dykes) $\times$ SAPPHIRE (Dykes)).
- AQUITAINE. TB-M-R1M (Mil. 1937); R., 1940.
- ARABIA. TB-M-B3M (Wal. 1940); Wal. 1940.
- *ARAMINTA HOWELL. TB-La-S8L (Gers. N.); R., 1934; etc.
- ARCADIA. TB-La-S9M (Tharp 1940); Tharp 1940; R., 1940; ((STRAWBERRY BLONDE) $\times$ (QUEEN CATERINA $\times$ AMERIND)) $\times$ (RAMESES).
- ARCADIA BLUE. IB-E-VLa-B1L (Dys. 1937); etc.
- ARCOLA. TB-M-WW (Senni N.); R., 1940; (PURISSIMA $\times$ ROSEWAY).
- ARCTIC. TB-M-W4 (Klein. 1940); Cooley 1940; H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.

- ARCTIC CIRCLE. TB-La-WW (Groff N.); R., 1941; □.
- ARDENNES. TB-M-S7M (Mil. N.); R., 1939.
- Ardoisiere.** TB Vilm. 1938; A.I.S. Check List 103. 1939; L'ARDOISIERE (Verd.).
- Arethusa. RC-S2M (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 281. 1938; (KOROLKOWI VIOLACEA × *susiana*).
- ARETHUSA. (Gage 1940); Gage 1940; etc.
- ARGENTEA. Etc., **Pal. Var. Alba.**
- ARGYLE. Etc., □.
- ARIANE. Etc., Bull. A.I.S. 83: 25. Oct. 1941%; etc.
- ARIEL. TB-M-B7L (Mur. 1924); etc.
- *ARIETTA. TB-M-R9M (Gers. N.); R., 1933; etc.
- ARISE. TB-E-LaM-W6L rev (Larsen N.); R., 1941; ((GRACE STURTEVANT × AZULADO) × (MOONLIGHT × CANDLELIGHT)) × ((GRADE STURTEVANT × AZULADO) × (RAYO DE SOL)); □ sl.
- ARISTO. IB-E-B9M (Wayman 1941); Wayman 1941; R., 1937.
- ARIZONA I. *I. arizonica*.
- arizonica*. Longip. Etc., Per. 1940.
- ARLINGTON. TB-M-S9M (Sim. 1924); etc., R., 1921; etc.
- ARMÉE D'ORIENT.** (Mil. 1919); etc., Starker 1940.
- ARNO. Etc., □.
- ARSINOE. TB-M-B3D (Harding N.); etc.
- ARSIPPE. TB-M-W1 (Dykes-K. N.); Yr. Bk., I.S. (E.) 22. 1935; R., 1936; **Arsype.**
- ARTHUR. TB-La-Y9M (Bommers. N.); R., 1941; (PLUIE D'OR × BUECHLEY GIANT).
- ARTIFICER IN GOLD. Etc., □.
- ARTISTIC. TB-M-Y4L (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- ARTISTRY. TB-M-R1M (Wash.); etc.
- ARTOIS. TB-M-S9M (Mil. 1937); R., 1940.
- Arzillo.** A.I.S. Check List 106. 1939; *ARZILLO.
- *ARZILLO. TB-M-La-R9M (Gers. N.); R., 1933; etc., **Arzilio.**
- ASCANIO. TB-M-S7L (Spender N.); Yr. Bk., I.S. (E.) 28. 1934; (PLUIE D'OR × ANTEROS); □.
- ASCOT. TB-M-S9D (Waterer 1933); Waterer 1933; etc.
- ASHES OF ROSES. TB-M-S7M (Kirk. 1940); Iris City 1940.
- ASPETO. Etc., □.
- ASPHODEL. Etc., R., 1924.
- *ASTA. TB-La-S9M (Gers. N.); etc.
- ASTA. IB-M-La-S6L (Gers. N.); R., 1940; (ZITA × SHERWIN WRIGHT); □ lo.
- ASTEROPE. Etc., R., 1928.
- AT DAWNING. Etc., (R Seedlg. × R Seedlg.); □.
- ATHALA. (Cay.); etc., A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- AT-LONG-LAST. Etc., (Mit. 9-33-1 × ALTA CALIFORNIA); □.
- ATROPURPUREA EGGERI. Etc., R., 1936.
- ATROPURPUREA GILEADENSIS. Etc., R., 1936.
- ATROPURPUREA PURPUREA. Etc., R., 1936.
- Atros.** Bull. A.I.S. 78: 47. July 1940; ATROUS.
- ATROUS. TB-M-R7D (Gage N.); R., 1940; Bull. A.I.S. 78: 47. July 1940; **Atros.**
- ATTOW. TB-M-R9D (Gibson Ltd. N.); R., 1936.
- Aubenal.** Flow. Grow. 27: 227. May 1940; AUBANEL.
- AUGUST FLAME. Etc., R., 1933.
- AUGUST WAVES. (Brown 1941); Gage 1941; R., 1939; (AUTUMN ELF × MORNING SPLENDOR) × (AUTUMN ELF); □.
- auranitica.* Etc., Barr 1939; etc.
- AUREAFOLIA. Jap-Sgl-4BD (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).
- AUREATE. IB-M-Y4M (Tobie 1941); Gage 1941; R., 1941.
- AUREOLE. TB-M-Y4M (Spender N.); R., 1941; (QUEEN OF CANADA) × (GOLDEN HIND × ...); □ sl.

- AUREX. Etc., R., 1931.
 Aureore. RC-B3L (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 281. 1938; (KOROLKOWI VIOLACEA $\times$ *iberica*).
Aussehr Sertice. A.I.S. Check List 112. 1939; *AUSSEUR SERTICE.
 *AUSSEUR SERTICE. (Verd.); Mottet 1920a; **Aussehr Sertice**; S.
Aut. King Jr. Horton 1940; KING JUNIOR.
 AUTUMN ELF. Etc., R., 1933.
 AUTUMN FIRE. Fulv.-VLa-R7M (Nic. Jr. 1933); etc.
 AUTUMN FLAME. TB-Re-R1D (Sass. H.P. 1941); Sass-J. 1941; Hillson 1941; R., 1940; (fr. Seedlgs.; fr. (MORNING SPLENDOR $\times$ KING TUT)); $\square$.
 AUTUMN GLORY. TB-Re-S7M (Whiting N.); R., 1940; (PRINCESS MARYGOLD $\times$ SOUTHLAND); $\square$.
 AUTUMN HAZE. Etc., (Seedlg. $\times$ Seedlg.).
 AUVERGNE. TB-MLa-Y9L (Mil. 1937); R., 1940.
 AVENTINO. Etc., (WASATCH $\times$ Mit. 9-17-1); F.C.C., Rome 1940; Yr. Bk.. I.S. (E.) 63. 1940.
Awahnee. (Sass); A.I.S. Check List 113. 1939; AHWAHNEE (Essig).
 ●AYASE-GAWA. Jap-3R Etc., **Ayasi.** **Ayasi.** Starker 1940; ●AYASE-GAWA.
 *AZALAIA. TB-La-R3M (Gers. N.); R., 1934; etc., **Azalia.**
Azalia. A.I.S. Check List 114. 1939; *AZALAIA.
 AZTEC COPPER. (Klein. 1939); etc., R., 1939; H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
 AZTEC GLORY. TB-MLa-R4M (Horton 1941); Irisdale 1941; R., 1940; (DAUNTLESS $\times$ RED CHIEF); $\square$ sl.
 AZULEJO. TB-E-B1M (De Forest N.); R., 1941; ((LEGEND) $\times$ (KING TUT $\times$ CARDINAL)) $\times$ (RAMESES); $\square$.
 ●Azuma-botan. Jap-Dbl-6 Chugai 1932.
Azure. Webb 1940; AZUREA.
 AZUREA. DB-EE-B1L Etc., **Azure.**
 AZURE ACE. TB-M-B1L (Wayman N.); R., 1941.
 AZURE DARKNESS. Sib-EM-B9D rev (Gers.); etc.
 AZURE FAIRY. Jap-Sgl-4 (Per. 1940); Per. 1940.
 AZURE MIST. (Wash. 1940); Fair. 1940; etc.
 BABS EMERY. TB-EM-W6L rev (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION $\times$ *trojana*).
 BACCHANALIAN. TB-EM-S9D (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION $\times$ *trojana*); $\square$ str. gr.
 BACHELOR GIRL. TB-La-W8D (Callis 1941); Callis 1941; R., 1940; (MARY H. DUNCAN $\times$ WILLIAM ASBURY); $\square$ sw. p.
 BAGDAD FAIR. Etc., $\square$.
 Balciae. Sib-W Stone-W.C. 1941.
Balcing Curiosity. Oakhurst 1940; CURIOSITY.
Baldknob. National 1940; BALDKNOBER.
 BALI. TB-M-R3D (Brown-F.C. N.); etc.
 BALL O'GOLD. TB-M-Y4D (Ayres-Emig. 1940); Kenwood 1940; R., 1940.
 BALMUNG. (Sass-H.P. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
Balroudor. Hillson 1940; Starker 1940; BALROUDOUR.
 BAMBINO. IMB-E-R4M (White-C.G. N.); R., 1940; (Oncobred); $\square$ sl.
 BANKISE. Etc., R., 1935.
Barbara. DB-B1L Stone-W.C. 1941; BARBARA PERRY.
 BARBARA ELLEN. TB-M-S9M (Gage 1941); Gage 1941; R., 1941; (ALLUMEUSE $\times$ SILVANUS); $\square$ str.
 *BARENA. Sib-La-B9D rev (Gers. N.); R., 1933; etc.
 BARIRA. Etc. R., 1933.
 BARKREST. TB-M-R7D (Gage 1941); Gage 1941; R., 1941; $\square$ sl.
 BARONA. Jap-Dbl-3BD (Barber 1939); Hoodacres 1939.
 BARON KOCHII. IB-EE-B7D (1936); Kat. 1940; R., 1940.

- BARRIMOHR. TMB-M-R8M (Miller W N.); R., 1940; (WILLIAM MOHR × ...).
- BARYE. Etc., R., 1930.
- BASALTICA. Etc., R., 1933.
- *BASHI-BAZOUK. (Sturt.); etc.
- BAWANI. (Gers. 1933); etc. Tab. I.
- BAYSIDE. TB-M-R9D (Wayman N.); R., 1941.
- BAZRA. Etc., □.
- B. Bolingbroke.** Doub 1941; BOLINGBROKE.
- BEACON LIGHT. TB-La-S9M (Tharp N.); R., 1940; (INDIAN CHIEF × GLOWING EMBERS) × (RAMESES); □ sl.
- BEATITUDE. TB-M-B1M (Richer N.); R., 1940; (FRAGONARD × DAUNTLESS).
- *BEATRICE. (Cap. 1902); etc.
- BEAU BROCADE. (Spender); etc., R., 1939; □.
- BEAUFORT BROTHER. TB-M-S9D (Pesel N.); Gard. Chron. **3rd. Ser. 109:** 254. 28 June 1941; R., 1941; Bronze Medal I.S. (E.) 1941; Yr. Bk., I.S. (E.) 20. 1941.
- BEAUJOLAIS. IB-E-R3D Etc., □.
- Beau Sareau.** Mt. Upton 1940; BEAU SABREUR.
- BEAUTIE KITTY. TB-M-R1D (Bommers. N.); R., 1941; (LEGEND × MELDORIC).
- *BEAUTY. Span-B3L (Homan); Barr 1908; etc.
- BEAUTY OF MARIN. TB-M-R6D (Hardee N.); R., 1940; (fr. Seedlgs. with no *mesopotamica*).
- BEIGE PRINCESS. TB-M-S6M (Wayman N.); R., 1941; □ sl.
- BELADI. TMB-E-B7M (White-C.G. N.); R., 1940; (Oncobred); □ sl.
- BELGICA. (Parm. abt. 1830); etc.
- BELISANE. RC-B9M rev (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs **1:** 281. 1938; (KOROKLOWI CONCOLOR × IBERICA VAN HOUTTEII).
- Bellario.** National 1941; BELLORIO.
- Belle.** TB (Bommers.); BRAZOS.
- BELLE COVERT. (Lap. 1940); Gage 1940; etc.
- BELLE OF DIXIE. TB-M-S4D (Carp. -C. N.); R., 1941); (YOUTH'S DREAM × PRESIDENT PILKINGTON); □.
- BELLE ROONEY. TB-M-R7L (Tharp 1937); Tharp 1940; R., 1940; (ZASU × SUSAN BLISS).
- BELMAR. TB-S7L (Hall 1932); etc.
- BELOVED. TB-E-B3L (White-A. N.); R., 1941; (NANCY ORNE × ...) × (CATERINA × ...); □ pl.
- BENGAL. Etc., □.
- BENGAL LANCER. TB-E-B7D (Tharp 1935); R., 1940; (ALCAZAR × PIONEER); □.
- BENGAL ROSE. TB-E-R7L (Miller-W. N.); R., 1940; (BALLET GIRL × PINK Seedlg.); □ sl. gr.
- BENVENUTO. Etc., □.
- BEOTIE. Etc., R., 1931.
- BERKELEY ACE. Etc., (MORNING SPLENDOR × Seedlg.) × (ALTA CALIFORNIA).
- BERKELEY BRONZE. Etc., □.
- BERKELEY CREAM. TB-La-Y4L Etc.
- BERKELEY DAWN. Etc., □.
- BERKELEY ELEGANCE. TB-La-B7M Etc., □.
- BERKELEY EVENING. Etc., □.
- BERKELEY NUGGET. Etc., R., 1936.
- BERLIOZ. DB-E-R7D (Cap. 1901); etc.
- Berlioz. IB-E-S5D Vilm. 1940.
- BERMUDA MOON. Etc., Silver Medal, I.S. (E.) 1936; Yr. Bk., I.S. (E.) 30. 1936.
- BERMUDA SAND. Etc., **Burmuda Sand.**
- BERRI. TB-MLa-S7L (Mil. 1937); R. 1940.
- BERTA-MAY. TB-VLa-W9D (Gers. N.); etc.; □ sw. fr.
- *BERTHA GERSDORFF. TB-MLa-B9D (Gers. N.); R., 1935; etc.
- BERTHA GERSDORFF. TB-MLa-Y9L (Sass-J. N.); R., 1941; (Y Plicata × Y Plicata).
- BETTIE F. HOLMES. Etc., R., 1930.
- BETTY. Etc., Hoodacres 1934.
- BETTY BALES. (Bales 1925); etc.
- *BETTY JOY. (Sheets); etc.

- BEVERLY. TB-La-S7L (Lap. 1939); etc., (No-we-TA) etc.
- Bianca. RC-B9M rev (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 281. 1938; (KOROLKOWI CONCOLOR × *iberica*).
- BIG BEN. (Van Bugge. 1939); etc., R., 1939.
- BIG HEAD. DB-EM-B3D (Callis N.) R., 1940; (DEEP WATER × CALICO KITTY).
- BIG MATT. TB-M-W4 (Maples 1940); Maples 1940; R., 1940; (ELIZABETH EGELBERG × NÈNE) × (VENUS DE MILO); □.
- *BILL REITZ. TB-EM-R6D (Gers. N.); R., 1938; etc.
- BING BANG. Etc., R., 1930.
- BIRCHBARK. TB-M-WW (Klein. 1940); Cooley 1940.
- BIRCHCROFT. Etc., R., 1930.
- BIT O'HEAVEN. TB-EM-Y5L rev (Grant N.); R., 1941; (CAFE AU LAIT × GOLDEN TREASURE).
- BLACKAMoor. Etc., R., 1930.
- BLACK GNAT. TB-La-R1D (Groff N.); R., 1941; □
- BLACK HAWK. TB-EE-B1D (Schreiner-R. 1941); Schreiner 1941; R., 1940; (LUTIN × BLACK WINGS).
- BLACKOUT. TB-La-B7D (Groff N.) R., 1941; □.
- BLACK PIRATE. TB-La-R1D (Miller-W. N.); R., 1940; (Seedlg. × BLACK WINGS).
- BLACK WARRIOR. Etc., R., 1931.
- BLACK WINGS. Etc., R., 1930.
- BLEMONA. Jap-Sgl-6B (Barber 1936); Hoodacres 1936; 1940; R., 1935.
- BLENHEIM. Etc., R., 1936.
- BLESSED DAMOSEL. TB-M-W4 (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □.
- BLESSED EVENT. Etc., R., 1935.
- BLEUÂTRE. Etc., R., 1936.
- BLITHE SPIRIT. TB-La-W6D (Long-B.R. N.); R., 1941; ((VALKYRIE) × (MME. CECILE BOUSCANT × MOONLIGHT)) × (IVORY GATE); Bronze Medal I.S. (E.) 1941; Yr. Bk., I.S. (E.) 20. 1941; □ sl.
- BLIZZARD. TB-La-WW (Tobie N.); R., 1940; (MERCEDITA × ...); □.
- Bloemaerts. Homan-H. 1940; A. BLOEMAARD.
- BLOOD ROOT. Etc., □.
- BLOSSOM TIME. (Wayman 1932); etc.
- bloudowii*. MB-Y Etc., Starker 1940.
- Blue Aimable. (Van Bugge.); Homan-H. 1940; BLUE SEA.
- BLUE ANCHOR INN. Etc., □.
- BLUEBERRY HILL. TB-M-La-S1L (Tharp N.); R., 1941; (PURISSIMA × DOLLY MADISON).
- Blue Bird. Dut. Homan-H. 1939; BLUE FIELD.
- BLUE BUTTERFLY. Jap-Dbl-4BL (Prichard 1939); Prichard 1939.
- BLUE CHANCELLOR. Etc., □.
- *BLUE CUP. Sib-La-B7D (Gers. N.); R., 1933; etc.
- BLUE DEEP. Etc., R., 1936.
- BLUE DELIGHT. TB-M-La-B1M (Grant 1941); Fair. 1941; R., 1940; (GLORIOLE × SHINING WATERS); □.
- BLUE DREAM. TB-M-B7L (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- BLUE DIAMOND. Etc., Bull. A.I.S. 73: 68. Apr. 1939.
- BLUE EDGE. Etc., R., 1931.
- BLUE FIELD. Dut-B3D rev (Van Bugge. 1939); Homan-H. 1939; 1940; 1941; R., 1940; **Blue Bird; Blue Ribbon.**
- BLUE GLAZE. TB-M-B1L (Wayman N.); R., 1941; □ va.
- BLUE HEART. TB-M-W2L (Tharp 1939); Tharp 1939; R., 1940; (PURISSIMA × WAMBLISKA).
- BLUE HILL. Etc., R., 1930.
- BLUE ICE. (Williams-T.A. 1940); National 1940; etc.
- BLUE JEWEL. TB-E-B1M (Miller-W. N.); R., 1940; (NARAIN × B Seedlg.); □ gr.
- BLUE JUNE. (Donahue 1935); etc., (SENSATION × ...); A.M., R.H.S. 1939; J.R.H.S. 65: 8, 261. Aug. 1940; etc., Bull. A.I.S. 73: 67. Apr. 1939; □ p.

- Blue King. Span-B1M (Homan); Hubert 1904; Van T. 1909; etc., **King of the Blues**.
- BLUE LIGHT. TB-M-B1M (Balfour 1932); Balfour 1932.
- BLUE MELODY. TB-M-B1L (Wayman N.); R., 1941.
- BLUE MIRROR. TB-M-B1M (Miller-W. N.); R., 1940; (GLORIOLE $\times$ B Seedlg.); $\square$ gr.
- BLUE MOONSTONE. Etc., $\square$ str. fr.
- Blue Pearl. Jap-Sgl-4BL Per. 1940.
- BLUE PEARL. TB-E-B1L (Gers. 1941); Callis 1941; etc.
- Blue Peter. Jap-Dbl-6BD Per. 1940.
- BLUE PIGMY. (Ouden 1933); etc., Bees 1940; **Blue Pygmae**.
- BLUE POLL. Sib-B1L (Wal. 1940); Wal. 1940.
- BLUE PRINCE. Jap-Sgl-6BD (Burtner N.); R., 1941.
- Blue Pygmae**. DB Bees 1940; BLUE PIGMY.
- Blue Ribbon**. Dut. Homan-H. 1940; BLUE FIELD.
- BLUE RIPPLES. Sib-M-B1M (Craigie N.); R., 1940; (GATINEAU $\times$ WHITE DOVE).
- BLUE RIVER. TB-EE-B1M (Millik 1941); Millik. 1941; (PURISSIMA $\times$ WISTARIA); $\square$.
- BLUE SEA. Dut-B3M rev (Van Bugge. 1939); Homan-H. 1939; 1940; R., 1940; A.M., Haarlem 7 June 1937; **Blue Aimable**; **Queen of the Blues**.
- BLUE SHIMMER. TB-La-W2L (Sass-J. N.); R., 1941; (Sass-H.P. No. 65-35) $\times$ (BLUE MONARCH $\times$...).
- BLUE SKIES. Jap-Dbl-5BL (Barber 1939); Hoodacres 1939; etc.
- BLUE SPIRE. Etc., Bull. A.I.S. 73: 66. Apr. 1939; $\square$.
- BLUE STANDARD. (Hinch. N.); etc. ((SAPPHIRE (Dykes) $\times$ SAPPHIRE, (Dykes)); etc.
- BLUE STOCKING. Etc., R., 1939.
- Blue Stone**. Horton 1940; BLUESTONE.
- BLUE STREAK. TB-La-W1 (Groff N.); R., 1941; $\square$.
- BLUE TOP. Etc., R., 1939.
- BLUE TOPAZ. DMB-E-S3M (Sass-J. 1933); etc.
- BLUE TWILIGHT. TB-E-B1M (Casselman N.); R., 1941.
- BLUE WATERFALL. TB-M-B1L (Hend.-W.H. 1936); Billmyrt 1939; Horton 1940.
- BLUE WATERS. Jap-Dbl-6BD (Prichard 1939); Prichard 1939.
- BLUE WINGS. Sib-B1M (Clev. 1929); etc.
- BLUE ZENITH. TB-M-B1M (Whiting N.); R., 1941; (BLUE HILL $\times$ SIERRA BLUE); $\square$ ho.
- BLUSHING NYMPH. TB-La-R7L (Lap.-Gers. 1941); Callis 1941; etc.
- BOBBY GAUL. TB-M-R9D (Wayman N.); R., 1940; (Seedlg. $\times$ NENE).
- BOGATYR. TB-M-B9D (Gers. 1940); Callis 1940; etc.
- BOLD PIRATE. Etc., R., 1938.
- BOLZANO. Etc., $\square$.
- *BOMMARSUND. Eng-B2D (Krel. 1877); Krel. 1877; S.
- BOMMERSBACH. TB-E-Y9D (Bommers. 1940); Bommers. 1940; R., 1940; (BUTO $\times$ ANNA FARR).
- BONNET O'BLUE. TB-B1D (Waterer 1929); Waterer 1929; 1939.
- BONNIE BENTLEY. TB-M-S7M (Tharp 1940); Tharp 1940; R., 1940; (No-WE-TA $\times$...).
- BONNIE LASS. IB-VLa-Y7M (Douglas-G. 1940); Fair. 1940; etc., H.M., A.I.S. 1930; Bull. A.I.S. 78: 4. July 1940.
- BONSOR. Etc., $\square$ sl.
- BON-TON. TB-La-S9M (Sturt. N.); etc.
- BOOTSIE. TB-La-B9M (Gers. N.); etc.
- BO-PEEP. (Lap. 1940); Gage 1940; etc.
- BOSCAMBO. IB-M-R7D (Cay. 1935); etc., R., 1940.
- BOSS. TB-M-R6M (Wash. N.); R., 1941; $\square$ sl.
- BOTTICELLI. Etc., $\square$.
- BOULEVARDIER. TB-La-S9D (Williams-T.A. N.); etc.

- BOUNTEOUS. TB-E-Y4L (Sturt. N.); etc., □ str. fr.
- BOURGNE. TB-M-R1D (Mil. 1937); R., 1940.
- BRACKNELL. Etc., R., 1939.
bracteata. Was found by Thomas Howell of Arthur, Ore. in 1884, in Josephine Co., Ore.
- BRAEBURN. TB-M-S6M (Stevens-W.R. N.); R., 1941; (NEW DAWN × RADIANT MORN) × (KING MIDAS).
- BRAHMIN. (Meyer-H.R. 1930); etc., A.M., R.H.S. 1939; J.R.H.S. 65: 8,262. Aug. 1940; Bull. A.I.S. 73: 67. Apr. 1939.
- Brangaem.** Billmyrt 1940; BRANGAENE.
- BRAZOS. TB-E-R9L rev (Bommers. 1940); Bommers. 1940; R., 1940; (PARTHENON × CASTALIA); **Belle** (Bommers.).
- Break O'Day. TB-M-S4L (Millik. 1941); Millik. 1941; □.
- BRENDA. TB-M-R1L (Gers. 1937); Ashley 1937; R., 1930; (FRANCIS BENNETT × STANLEY); **Brenia**; □ sl.; \$.
- BRENGWAIN. (Barr 1935); etc., (REVERIE × DOMINION); A.M., R.H.S. 1941; Yr. Bk. I.S. (E.) 21. 1941; etc.
- Brenia.** A.I.S. Check List 138. 1939; BRENDA.
- BREVIPIES. Etc., Pearce 1940 (seeds).
- BRIGHT MELODY. TB-M-B1M (Snyder 1941); Callis 1941; R., 1940; (MELCHIOR × PIONEER); H.C., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; □ sl.
- BRIGHTWOOD. TB-M-R4M (Williams-T.A. N.); R., 1941; (JERRY × CONSORT); □ str.
- BRILLIANCY. IB-M-R9M (Wayman N.); R., 1940; (JUNALUSKA × Seedlg.).
- BRILLIANTINE. Etc., □.
- BRIONI. Etc., (Corsaire × DRYADE); etc.
- BRITISH GRENADIER. TB-M-R4D (Groff N.); R., 1941; □ sl.
- BRITISH QUEEN. Span-W4 (Krel. 1892); etc.; Constable 1939; Fogwills 1940; Homan-H. 1940; Jefferies 1940; Starke-A. 1940; Wiseman 1940.
- BROMINION. TB-M-La-S6D (Larsen N.); R., 1941; ((WACONDA) × (GRACE STURTEVANT × CAMELIARD)) × ((GRACE STURTEVANT × AZULADO) × (RAYO DE SOL)); □.
- BRONZE BEACON. TB-VLa-S6M (Salb. 1932); etc.
- BRONZED NYMPH. TB-EM-S4M (Parker-J.B. 1940); Parker-J.B. 1940; etc., □ sl.
- BRONZE GLORY. TB-La-S9M (Sim. 1934); etc.
- BRONZE IMAGE. TB-M-S9M (Kirk.-Williams 1940); Iris City 1940; etc.
- BRONZINO. Etc., {(DAUNTLESS × DESERT GOLD); etc., Bull. A.I.S. 73: 66. Apr. 1939; etc.
- BRONZSPUR. Spur-S4M (Nies 1941); Oakhurst 1941; R., 1940; (*ochroleuca* × MONSPUR) two generations; A.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; **Bronz Spur**.
- *BROWN AND GOLD. TB-MLa-Y9D (Salb.); etc.
- BROWN BETTY. (White-C.G. 1934); etc., (MAUNA LOA × ...); etc.
- BROWN BONNET. (Gage 1941); Gage 1941; etc.
- BROWN BOY. TB-M-R4M (Salb. 1940); Salb. 1940; R., 1940; (COPPER LUSTRE × RADIANT).
- BROWN FEATHERS. TB-M-La-Y8M rev (Martin-J. N.); R., 1941; (PARISIANA × Y Seedlg.).
- Browngray Blend.** Tip Top 1940; Maple Valley 1940; BROWNGREY BLEND.
- BROWNGREY BLEND. TB-La-S1M (National 1938); etc., **Browngray Blend**.
- BROWN HACKLE. TB-M-S4M (Groff N.); R., 1941; □ sl.
- *BROWNIE. (Love); etc.
- BROWN MAIDEN. TB-La-S6L (Rhein. 1935); etc.
- BROWN MONARCH. TB-La-S7D (Covert 1939); Linwood 1939; etc.
- BROWN THRASHER. (Kirk. 1941); Vestal 1941; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.

- BROWN THRUSH. TB-M-S4M (Parker-J.B. N.); R., 1940; (SUNSET GOLD × EUPHONY); □ sl.
- BRUKOR. DMB-E-S1D (Wmsn.-Peck. 1936); Peckham 1936; 1940; R., 1940; (*korolkowi* × DB).
- BRUNHILDE. (Salb. 1934); etc., **Burnhilde.**
- BUCCANEER. TB-E-M-S6M (Nes. N.); R., 1941; □ sp.
- BUCKSKIN. Etc., R., 1939.
- *BUENA AMIGA. TB-MLa-R1L (Gers. N.); R., 1937; etc.
- BUENA VISTA. Etc., (IRIS CITY × ON PARADE).
- BUFFAWN. TB-E-M-S7L (And. 1940); Rockmont 1940; R., 1940.
- BUFFOON. Etc., □ tr. ar.
- *BUGLE CALL. TB-E-Y4L (Salb.); etc.
- BURGUNDIAN. Etc., (MAGNATE × MAGNIFICA); □.
- BURLESQUE. Etc., (Cay. 1938); Cay.-R. 1938; etc.
- Burnhilde.** Horton 1940; BRUNHILDE.
- BURNING BRONZE. TB-MLa-S7D (Ayres 1934); etc.
- BURNISHED COPPER. TB-EM-S6M (Grant N.); R., 1941; ((NARANJA) × (COPPERSMITH × CHEROKEE RED)) × (COPPERSMITH × DAUNTLESS).
- BURNISHED GOLD. TB-EM-Y4D (Kirk. 1940); Iris City 1940; etc.
- BUSTER BLUE. TB-E-M-B1L (Simmons N.); R., 1941; (SAN FRANCISCO × PURISSIMA); □ str.
- BUTTERCUP LANE. TB-E-Y4D (Hall-D. 1941); Hall-D. 1941; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; □.
- Butterfly. DB-E-Y5L (Kelway 1890); etc., Field 1930; Michell 1941; \$.
- BY JOVE. IMB-M-Y9D (White-C.G.; Hellings N.); R., 1941; (Bearded × Regelia).
- BUZZER. Etc., R., 1926.
- CAESAR'S BROTHER. Sib-B (Morg. 1932); etc., **Caesar's Brother.**
- CAESAR'S TOGA. TB-E-R7D (Tharp 1937); R., 1940; (TITAN × ESPLENDIDO) × (CARDINAL).
- Caesar's Brother.** A.I.S. Check List 144. 1939; CAESAR'S BROTHER.
- Cafe Allait.** Hahn 1941; CAFE AU LAIT. California Blue. Cal-B1D Purdy 1940.
- CALIFORNIA GOLD. Etc., □.
- California Golden Yellow. Cal-Y Purdy 1940.
- CALIFORNIA PEACH. (Salb. 1941); Salb. 1941; etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- CALIFORNIA TREK. (White-C.G. 1941); Millik. 1941; etc., Bull. A.I.S. 73: 65. Apr. 1939.
- Californica. Cal-Y (Purdy?); Gard. Ill. 62: 298. 15 June 1940%; form of *I. macrosiphon*.
- CALIXA. (Dykes-K. 1930); etc., A. M. R.H.S. 1939; J.R.H.S. 65: 8, 262. 1940, Bull. A.I.S. 73: 67. Apr. 1939; etc.
- CAMBYSES. TB-La-Y9 (Sass-H.P. N.); etc.
- Camelia Dubuar.** Billmyrt 1940; CAMILLA DUBUAR.
- CAMEO BROOCH. Etc., □.
- CAMEROUN. TB-M-B9D (Cay. 1938); etc., A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
- CAMILLA DUBUAR. (Lap. 1929); etc., **Camelia Dubuar.**
- CAMPANILE. Etc., □.
- CAMPDEN. Etc., R., 1939.
- CAMPUS QUEEN. TB-M-R7L (Tharp 1940); Tharp 1940; R., 1940; (HONEY-SUCKLE ROSE × PEARL BUSH); □ sl.
- CANADIAN BEAUTY. TB-La-B9L (Crow N.); etc.
- *CANALETTO. TB-M-S9D (Gage 1940); Gage 1940; (ASHTORETH × GLORIOLE).
- Candeur. TB-WW (Nonin bef. 1934); etc., C.M., S.N.H.F.; Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934.
- CANDOR. Etc., R., 1932.
- CANTILENE. Etc., R., 1930.
- CANTUAR. (Tomalin); etc., (CHASSEUR × OPHELIA).
- CANYONGLOW. TB-La-R6D (Thole); etc., □.
- CAPITOLA. IMB-E-R2D rev (Reinelt-1940); Salb. 1940; R., 1940; (WILLIAM MOHR × IB-MAC).

- CAPRICCIO. TB-M-La-Y9L (De Forest N.); R., 1941; □ sl.
- CAPTAIN WELLS. TB-M-La-R4D (Cook 1941); Long. 1941; (((MORNING SPLENDOR) × (SEMINOLE × CINNABAR)) × ((SEMINOLE × CINNABAR) × (SEMINOLE × MORNING SPLENDOR))) × (E. B. WILLIAMSON); □.
- *CARDIGHA. (Baker-G.P.); etc.
- CARDINAL WOLSEY. TB-M-R3D (Stevens-W.R. N.); R., 1941; (ACHILLES (Stevens-W.R.) × MARESCHAL NEY).
- CAREFREE. TB-M-Y4L (Graves N.); R., 1941; (GUDRUN × MERRIMACK); □ M.
- CARFANENE. Etc., (CARFAX × NÊNE).
- CARINOSA. (Gers. 1940); Callis 1940; etc.
- CARISBROOK. TB-M-B7D (Bun. 1939); Bun. 1939; R., 1940; **Carisbrooke**.
- Carisbrooke. Jap-Sgl-7 (Prichard 1939); Prichard 1939.
- CARITA. (Gers. 1941); Callis 1941; etc.
- CARLING. Etc., R., 1930.
- CARLISLE. TB-M-S4 (Bun. 1939); Bun. 1939; R., 1940.
- Carlisle. TB-M-S9M (Collet N.); Gard. Ill. 62: 345-346. 13 July 1939.
- CARLOTTA. TB-M-R9M (Covert 1937); etc.
- CAROLINE BURR. TB-M-W4 (Smith-K. 1940); Fair. 1940; etc., Bull. 73: 66. Apr. 1939; H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
- CAROLINE CLEMENT. TB-M-B3D (Harding); etc.
- CAROLINE E. STRINGER. Etc., C. E. Stringer.
- CAROLIN ROSE. TB-M-S7M (Tharp 1933-34); R., 1940; (SOLFERINO × SHEKINAH).
- CAROLYN CORY. TB-M-B1L (Billmyrt); Billmyrt 1939.
- CASA BLANCA. (Wash. 1940); Fair. 1940; etc.
- CASA MORENA. TB-M-R4M (De Forest N.); R., 1941; (((MORNING SPLENDOR × GERMAINE PERTHUIS) × (ALTA CALIFORNIA)) × (RUBEO × GRACE STURTEVANT)) × (PRAIRIE SUNSET).
- CASCADE. TB-M-W5 (Smith-K. N.); R., 1941; (EASTER MORN × WHITE GLORY).
- CASQUE D'OR. TB-La-Y9D (Sass-J. 1937); etc.
- CASTILIAN. Etc., R., 1936.
- CATHEDRAL. Etc., R., 1939.
- CATHEDRAL DOME. TB-MLaWW (Nes. 1936); etc.
- Catherine**. (Dan.) A.I.S. Check List 1939; CATHRINE.
- CATHRINE. TB-MLa-B9M (Dan. N.); R., 1934; (SOUV. DE MME. GAUDICHAU × CONQUISTADOR); **Catherine**; □.
- CATHRYN PORTER. Etc., R., 1939.
- *CAVATINE. (Cay.); etc.
- CAYUGA. Jap-Dbl-3RM (Barber 1940); Hoodacres 1940; R., 1940.
- CEDAR. TB-M-S7L (Stevens-W.R. N.); R., 1941; (NEW DAWN × RADIANT MORN) × (NEW DAWN × RADIANT MORN).
- CEDAR ROSE. TB-M-S7M (Whiting 1941); Whiting 1941; R., 1940; (MATULA × SUMMER TAN); H.C., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; □.
- *Celebrity. (Alex.); etc.
- CELESTIELLE. TB-M-W2 (Tomalin N.); etc., Bronze Medal, I.S. (E.) 1937; Yr. Bk., I.S. (E.) 30. 1937.
- CELIA. IB-B1L (Yeld); etc., Bide 1940.
- Celinde**. Billmyrt 1939; CELINDA.
- *CELLINI. TB-Y9 (Wrhm. N.); R., 1923.
- CELLINI. TB-M-Y6D (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □ sl.
- C. E. Stringer. Maples 1940; CAROLINE E. STRINGER.
- CEYLON. Etc., □.
- CEYLONESE. Etc., □.
- CEYLON SAPPHIRE. TB-La-B7M (Lewis-H. N.); R., 1940; (PICADOR × LADY PARAMOUNT); □ lo.

- C. G. Van Wierigen.** A.I.S. Check List 154. 1939; C. G. VAN WIERINGEN.
- C. G. VAN WIERINGEN.** Dut-Y4D (deG. 1937); etc., **C. G. Van Wierigen.**
- ***CHAGAN.** TB-M-B9M (Gers. N.); R., 1934; etc.
- CHALLENGER.** IB-E-S3D (Sass-J. 1929); etc., **Challenger Sass.**
- Challenger Sass.** A.I.S. Check List 156. 1939; **CHALLENGER** (Sass).
- CHAMAEIRIS CAMPBELLI.** DB-E B7D (Campbell-A. 1930); etc.
- CHAMPAGNE GLOW.** Etc., Bull A.I.S. 73: 66. Apr. 1939; etc.
- CHANCELLOR.** (Stern); etc., R., 1935.
- CHANCE WHITE.** Etc., R., 1930.
- CHANSON ROLAND.** Etc., □.
- CHAPERONE.** Etc., □.
- CHARLES EDWARD.** TB-M-B1M (Bommers. N.); R., 1941; (PINK OPAL × CHEERIO).
- CHARLESTON.** TB-La-S4M (Mit.); etc.
- ***CHARM.** (Sheets); etc., R., 1930.
- ***CHARM GIRL.** IB-M-R5L rev (Tharp); etc.
- CHARM GIRL.** TB-M-Y4D (Tharp 1938); R., 1940; (... × QUIVERA); **Honey Chile** (Tharp).
- CHARMING PRINCESS.** TB-M-WW (Wayman N.); R., 1940; (GUDRUN × ...) × (W Seedlg.).
- CHASSEUR.** Etc., R., 1923.
- CHATÉ.** (Cay.).
- CHATELAINE.** (Bun.); etc., R., 1939.
- CHEER.** Etc., □ p.
- CHEERFUL.** TB-M-B3M (Wal. 1933); etc.
- CHEERIO.** Etc., R., 1931; etc., A.M., R.H.S. 1939; Bull. A.I.S. 73: 67. Apr. 1939; J.R.H.S. 65: 263. Aug. 1940; **Cherio; Cherrio.**
- CHEF MENTEUR.** Etc., R., 1933.
- Cheif.** Horton 1940; **CHIEF.**
- Cheif Seattle.** Horton 1940; **CHIEF SEATTLE.**
- CHELAN.** Etc., R., 1935.
- ***CHENANGO.** (Gers. N.); etc.
- Cherio.** Rockmont 1940; **CHEERIO.**
- CHERRY GLOW.** TB-M-R9M (Covert 1937); etc.
- CHESTNUT HILL.** TB-EM-Y4D (Gage 1940); Gage 1940; etc.
- CHEVALIER DE BAYARD.** Etc., □.
- CHEVRON.** IB-E-Y4D (Nic. N.); R., 1941; (CRYSORO × DESERT GOLD).
- CHICADEE.** IB-EM-Y8L (Gers. N.); etc.
- CHICKASAW.** Vinic-R7D (Wash. 1932); Nes. 1932; R., 1932.
- Chicoree Blue.** Bull. A.I.S. 82: 27. July 1941; **CHICORY BLUE.**
- CHICORY BLUE.** TB-M-B1L (Douglas-G. N.); R., 1941; (SHINING WATERS × STELLA POLARIS); H.C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; **Chicoree Blue;** □.
- CHIEF.** (Sass-J. 1926); etc., **Cheif.**
- CHIEF JOSEPH.** TB-La-R6D (Berry 1939); etc.
- CHIEF SEATTLE.** (Thole); etc., **Cheif Seattle.**
- CHIEF SIDAR.** Etc., (DAUNTLESS × R Seedlg.).
- CHIEFTAIN.** TB-M-W9D (Wayman N.); R., 1940; (NÈNE × BROWN BETTY).
- CHILDHOOD.** TB-M-La-R4L (Long-B.R. N.); R., 1941; (GARGANTUE × NIGHT THOUGHTS) × (((SUZANNE AUTISSIER × VALKYRIE) × (GRACE STURTEVANT)) × (SQUARE HILL)); Bronze Medal I.S. (E.) 1941; Yr. Bk., I.S. (E.) 20. 1941.
- CHINA MAID.** Etc., Bull. A.I.S. 73: 65. Apr. 1939; etc.
- CHINA ROSE.** TB-M-S9M (Salb. 1934); etc., □.
- CHINESE LEGEND.** Etc., □.
- Chitosenishiki.** Jap-Dbl-WW Wada 1935; 1937; 1938.
- CHOCTAW.** Etc., R., 1932.
- Choisei-Den.** Starker 1940; **CHOSEIDAN.**
- CHOSEN.** (White-C.G. 1937); Millik. 1937; etc., Bull. A.I.S. 73: 65. Apr. 1939.
- CHRISTIANA.** TB-M-B7D (Horton 1940); Horton 1940; R., 1940; (RA-MESSES × ETHEL PECKHAM).

- CHRISTINE GRAY. TB-La-W2M rev (Tharp 1939); Tharp 1939; R., 1940; □ sw.
- CHROMYLLA. (Loomis 1930); etc., **Cromeyella**.
- CHRYSOBERYL. IB-M-B4L (Burt. 1934); etc.
- CHRYSOGRAPHES RUBELLA. Etc., **Chrysographes var. Kingdon Ward; Rubella**. N.B. All information A.I.S. Check List 475. 1939 under RUBELLA applies to this variety.
- Chrysographes var. Kingdon Ward**. Starker 1940; CHRYSOGRAPHES RUBELLA.
- CHRYSOOLITE. TB-M-Y1L (Millik. 1941); Millik. 1941; R., 1941; (EASTER MORN × LADY PARAMOUNT); H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; □ str.
- CHRYSOPHOENICIA. Etc., R., 1928.
- CHU CHIN CHOW. TB-M-Y4M (Gross N.); R., 1941; □ sl.
- CHULA VISTA. Etc., R., 1934.
- Chushu-no-Aki. Jap-Dbl-6RD Wada 1935; 1937; 1938.
- CIMARRON. Etc., R., 1931; **Cimmaron**.
- Cimmaron**. Linwood 1941; CIMARRON.
- CINNAMON BEAR. TB-La-Y5M (Salb. 1940); Salb. 1940; R., 1940; (SEDUCTION) × (COMSTOCK × ALTA CALIFORNIA).
- Cinnebar**. A.V.G. 1941; CINNABAR.
- CIRCE. Jap-Dbl-3 (Vilm. 1903); etc.
- CIRCUS DAY. Etc., □.
- CITRUS. TB-MLa-Y6D (Girid. 1941); R., 1940; (Sass No. 10-34 × HAPPY DAYS).
- CITY OF LINCOLN. Etc., R., 1935; etc., Bull. A.I.S. 73: 65. Apr. 1939.
- CLAIR NORRIS. TB-La-B9M (Storer 1938); Stuntz 1938; National 1938; R., 1940.
- CLARA. TB-M-R7L (Bommers. 1940); Bommers. 1940; R., 1940; (SNOW WHITE × PINK OPAL); □ gr.
- CLAREMORE. TB-La-B1L (Callis 1940); Callis 1940; etc.
- CLARENCE WEDGE. Etc.
- *CLARET CUP. (Mead); etc.
- CLARET GEM. TB-MLa-R1M (Gros. 1932); etc.
- CLARET VELVET. TB-M-R1D (National 1940); National 1940; R., 1940; □.
- CLARET WINE. (Stern N.).
- CLARIBEL. TB-La-W2 (Sass-J. 1936); etc.
- CLARION. Etc., (ROSY ASIA × ALTA CALIFORNIA).
- *Clarissa. Jap. Bilt.; Smith 1906; **Clarisa**.
- CLARK MOORE. TB-M-R9M (Bommers. 1940); Bommers. 1940; R., 1940; (PACIFIC × AMBASSADEUR); **Fredrick**.
- CLARO. TB-M-S4M (Whiting N.); R., 1940; (JEAN CAYEUX × SANDALWOOD); □.
- ***Clarrisa**. (Bilt); A.I.S. Check List 167. 1939; *Clarissa.
- Claude Aurea**. Callis 1940; CLAUDE AUREAU.
- CLEO MURRELL. TB-M-Y3M (Mur. 1941); Orp. 1941; R., 1941; (PERVA NEH) × (MOONLIGHT × BRUNO); □ str.
- CLINTON BAKER. Etc., R., 1936.
- CLOS VOGET. Etc., □.
- CLOTHILDE. (Elder. 1932); etc., R., 1939.
- CLOTHING OF DELIGHT. Etc., R., 1939; (EVOLUTION) × ((MRS. VALERIE WEST) × (MME. CECILE BOUSCANT × MOONLIGHT)); etc.
- CLOUD CASTLE. TB-M-B1L (Graves N.); R., 1940; (SENSATION × GLORIOLE); □ sl.
- CLOVELLY. (Tobie 1940); Tobie 1940; Gage 1941; etc.
- Cock of Gold**. Bull. A.I.S. 80: 58. Jan. 1941; CROCK OF GOLD.
- Coerulae**. Horton 1940; PUMILA CAERULEA.
- *COEUR DE LION. TB-M-S3M (Mag.); etc.
- Colais**. Bommers. 1941; COLIAS.
- Collingswood**. Starker 1940; COLLINGWOOD.
- COLONIAL. IB-M-S6M (Berry 1932); etc.

- COLONIAL WHITE. Etc., R., 1930.
- COLOPHON. TB-M-La-B1M (Peckham N.); R., 1940; (Peckham No. 3611-3 × self); □ sl. vio.
- COLOUR MUSIC. TB-M-S9M (Groff N.); R., 1941; □ sl.
- Columbia.** (Toedt); etc., POSEIDON.
- Columbine.** TB (Wmsn.); Bull. A.I.S. 48: 75. July 1933; PEWEE.
- Columicata. Correvon 1929; 1940.
- COMELY. TB-VLa-W2M (Baker-G.P. N.); R., 1941; (SENSATION × REALM); □ sl.
- COMET. TB-M-W4 (Wayman N.); R., 1940; (GOLDLOCKS × Seedlg.).
- Cometesse D'Hautville.** Starker 1941; COMTESSE D'HAUTEVILLE.
- COMRADE. TB-M-S7M (Con. N.); R., 1941.
- COMTESSA DE DIA. TB-M-R6L (Craigie N.); R., 1940; (MARY GEDDES × LOS ANGELES); □ p.
- Conchebar.** Horton 1940; CONCHOBAR.
- CONCORD. (Waterer 1929); Waterer 1929; 1939; R., 1930.
- CONESTOGA. (Kirk.); etc., R., 1937.
- CONGO. TB-M-R3D (Wareham 1934); R., 1934.
- CONGO PRINCESS. TB-La-R1D (Whiting N.); R., 1940; (RUBEO × SMOLDER); □ str. lo.
- CONGRÈS. IMB-B9L (Cay. 1924); etc., **Congress.**
- Congress.** IMB Oakhurst 1940; CONGRÈS.
- Conseul. TB-S9M Webb 1940.
- Conspicuous. Jap-3R Chaut.; Wayside 1940.
- CONSTANCE MEYER. TB-M-R7M (Meyer-H.R. bef. 1938); etc.
- CONTEMPLATION. TB-M-B7M (Cay.); Tur. 1939.
- Cooley Surprise.** A.I.S. Check List 174. 1939; SURPRISE (Cooley).
- COPPER CRYSTAL. Etc., R., 1937.
- COPPER FRILLS. TB-M-R4L (Whiting 1941); Whiting 1941; R., 1940; (GOLDEN LIGHT × LUX); □ str.
- COPPER ORANGE. IB-M-R4M (Salb. 1941); Salb. 1941; R., 1941.
- COPPER PINK. (Kellogg-W.M. 1941); Kellogg-W.M. 1941; etc.
- COPPER ROSE. TB-M-R4M (Cook 1941); Long. 1941; R., 1941; (E.B. WILLIAMSON × R. Seedlg.); □.
- COPPERSHEEN. TB-M-S4M (Hend.-W.H. 1938); Oakhurst 1940; R., 1940.
- COPPER TOKEN. TB-La-S4M (Groff N.); R., 1941; □.
- COPPERWING. Etc., R., 1939.
- COQUETRY. TMB-E-W8L (Schreiner-R. 1941); Schreiner 1941; R., 1940; (. *gatesii* × *lortetii*) × (MIDWEST).
- CORA DORCAS. TB-EM-La-R9D (Bailey-Mrs. N.); R., 1941; □ sl.
- CORALIE. Etc., R., 1931.
- CORAL MIST. TB-EM-R4M (Grant 1941); Fair 1941; R., 1940; (Pink Seedlg. of TANGLO × PORTLAND); □.
- CORAZON. Etc., R., 1934.
- CORINTHIAN. Etc., □.
- CORIOLAN. Etc., R., 1930.
- CORITICA. TB-La-Y8M rev (Sass-H.P. N.); R., 1940; □ sl.
- *Cornelia. Span-Y4L (Homan).
- COROMANDEL. TB-M-Y4D (Stevens-W.R. N.); R., 1941; (CALIFORNIA GOLD × GOLDEN HIND); □ sl.
- CORONET. TB-La-S4L (Hall-D. 1938); etc., Bull. A.I.S. 73: 66. Apr. 1939; etc.
- CORRINNE. TB-M-B3D (Bommers. N.); R., 1941; (DOROTHY DIETZ × EROS).
- CORTEZ. TB-VLa-Y9M (Nes. 1934); etc.
- CORYDON. TB-La-B1L (Spender N.); Gard. Ill. 63: 358. 26 July 1941; R., 1941.
- COSIMO. Etc., □.
- COSMOPOLITE. TB-La-S3M (Tharp N.); R., 1941; (BUECHLEY GIANT × DÉPUTÉ NOMBLOT); □.
- CÔTE D'AZURE. Jap-Sgl-6BM (Prichard 1939); Prichard 1939.
- COTTAGE MAID. (Gers.); etc., Bed I.
- COULEUR CARDINAL. Eng-B2D Carter 1939.

- **COUNT OF NASSAU.** Span-B3M (Krel. 1896); etc., Fogwills 1940; etc., □ ho.
- COWBOY.** TB-M-B7L (Davis 1931); etc.
- CRACK O'DAWN.** TB-E-S7M (Miller-W. N.); R., 1940; (SANDALWOOD × Pink Seedlg.); □ sl. gr.
- CREAM GIANT.** TB-M-Y4L (Wayman 1940); Wayman 1940; R., 1940; GUDRUN × W Seedlg.).
- CREMELLO.** TB-La-W4 (Egel. 1940); Egel. 1940; R., 1940; (Seedlg. × ANGELUS); □ sl.
- Crepe de Chene.** TB-B Kat. 1941.
- CRIMSON BANNER.** TB-M-R9D (Stevens-W.R. N.); R., 1941; (INSPIRATION × INDIAN CHIEF) × (MAR-ESCHAL NEY).
- CRIMSON TIDE.** (Nic. 1939); etc., F.C.C., Rome 1940; Bull. A.I.S. 78: 60., 66. July 1940 %.
- Crimson Victory.** National 1940.
- CRISTATA McDONALD** Ev-W1 (Crissey-McD.-Borsch 1932); Suhr 1932; Starker 1940; R., 1940; **Cristata McDonald's Var.**
- Cristata McDonald's Var.** Starker 1940; CRISTATA McDONALD.
- CROCK OF GOLD.** TB-M-Y3M (Lewis-H. 1940); Fair. 1940; etc., **Cock of Gold.**
- Cromeyella.** Rockmont 1940; CHROMYLLA.
- CROWN JEWEL.** (Nic. 1934); etc., (MIDGARD × JUBILEE).
- Crown Jewel.** Shown by Burton; J.R. H.S. 62: 8, exvi. Aug. 1937; WILD DUCK.
- CROWN OF GOLD.** TB-E-M-Y4D (Hall-D. 1940); Hahn 1940; R., 1940; (GOLDEN HIND × SALUTATION); □ p.
- CRyna.** TB-MLa-R7L (Dykes-K. 1937); Gard. Chron. 99: 392. 13 June 1926; Gard. Ill. 53: 383. 20 June 1931; Knap Hill 1937; R., 1931; **Cyrna.**
- CRYSTAL GLOBE.** TB-MLa-W4 (Spender N.); R., 1941; (NEW DAWN × PURPLE DUSK); □ sl.
- CRYSTAL PINK.** Etc., \$.
- CRYSTAL STIPPLE.** TB-M-W2L (Groff N.); R., 1941; □.
- *CUBA. (Sheets); etc.
- CUCAMONGA.** TB-EE-M-B1D (Met.-Dys. N.); etc.
- CUPIDON.** TB-La-S6L (Cay. N.); R., 1937.
- CURIOSITY.** DB-E-S6L (Per. 1903); etc., **Balceng Curiosity; Balcing Curiosity.**
- Cydalyse.** Callis 1940; CYDALISE.
- Cydus.** Doub 1941; CYDNUS.
- CYRENE.** RC-S2M (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 281. 1938; (KOROLKOWI VIOLACEA × *susiana*).
- Cyrna.** (Dykes-K.); A.I.S. Check List 182. 1939; CRYNA.
- CYRUS.** IB-E-Y4M (Sass-H.P. 1930); etc., R., 1930.
- **CYTHNA.** (Dykes-K. N.); R., 1931.
- DAFFODIL LASSIE.** Etc., Bed I.
- Daghasta.** Wayside 1941; DAGHASTAN.
- DAINTY BESS.** IB-M-B1L (Whiting 1941); Whiting 1941; R., 1940; Tab I.; □ lo.
- DAISY MAE.** TB-M-S4M (Covert N.); R., 1941; (AMENTI × JEAN CAYEUX); □ sl.
- DALMATICA.** Etc., **Palladia Dalmatica.**
- DAMASK.** (Burt.); etc., R., 1939.
- DAMERINE.** (Gage 1939); etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- DAMSON GIRL.** IB-La-B7D (Donahue N.); etc.
- DANCING DAFFODIL.** (Tharp); etc., R., 1939.
- DANCING GIRL.** Jap-Dbl 6B7 (Barber 1940); Hoodacres 1940; etc.
- DANCING SPRITE.** (Gers. 1940); Callis 1940.
- DANICA.** Spur-B (Coll.-Lange 1860-Salthomen, Denmark); Baker, Hdbk. Irid. 15. 1892; Dykes, Genus Iris 62. 1913; **Spuria danica.**
- DANUBE.** (Home.); etc., R., 1928.
- Darby.** TB-B7D Dropmore 1940.
- Dark Blue.** Eng-B1D (Kanouse 1941).
- DARK BUTTERFLY.** TB-EM-B7D (Hellings N.); etc., Tab I.

- DARK DAWN. Sib-EM-B1D (Gers. N.); etc., R., 1933.
- DARK KNIGHT. Etc., (GLOWING EMBERS $\times$ RD Br. Seedlg.).
- DARK MORASS. Etc., (HEXAGONA PURPUREA $\times$ *fulva*) $\times$ (HEXAGONA PURPUREA $\times$ *fulva*); etc.
- DARK RAPTURE. Etc., $\square$ fr.
- *DARK STAR. TB-E-R6D (Gers. N.); etc.
- DARK STAR. TB-MLa-R6D (Gers. N.); R., 1940; (GEO. J. TRIBOLET $\times$ MRS. VALERIE WEST); $\square$ sw.
- DARLING. Span-B1M (Homan); Van T. 1900; 1909; etc., Homan-H. 1940; **Blue Flag**.
- DARMSTADT. DB-E-B7D Per. 1940.
- *DARTMOUTH. Etc.
- DATEDOGU (Extravagant Display). Jap-Sgl-3 (Yok.); Yok. 1926 %%; **Date-Du-Gu**.
- Date-Du-Gu**. Aiken 1940; DATEDOGU.
- DAWN GOLD. TB-M-Y4L (Williams-P.J. N.); R., 1941; (CHINOOK $\times$ GOLDEN HIND); $\square$.
- DAWNLIT. TB-M-W9L (Hahn N.); R., 1940; $\square$ str.
- *DAWN MIST. TB-MLa-Y8L (Gers. N.); etc.
- DAWN MIST. TB-VLa-S7L (Maples N.); R., 1940; (CANDLELIGHT $\times$ RAMESES).
- DAWN OF GOLD. TB-La-Y4D (Salb. 1940); Salb. 1940; R., 1940; (GOLDEN MAJESTY $\times$...).
- DAWSON. Etc., R., 1930.
- DAYBREAK. TB-M-R4L (Klein. 1941); Cooley 1941; R., 1941; (FAR WEST $\times$...) $\times$ (JEAN CAYEUX); $\square$ str.
- DAYDAWN. (Whiting 1940); Whiting 1940; etc.
- *DAYLIGHT. (Sheets); etc.
- DAY'S FAREWELL. (Millik. 1940); Millik. 1940; etc.
- DAYSTAR. IB-EM-W4 (Wmsn. 1941); Long. 1941; R., 1941.
- D. BREEZE JONES. (Gers.-Watkins 1940); Watkins 1940; etc.
- DEAREST ONE. TB-M-Y8L (Hardee N.); R., 1940; (Tall Y Seedlg. $\times$ BRIDAL VEIL).
- Deedie-May Austin**. National 1940; DEEDIE-MAY.
- DEEP BLUE WATERS. Jap-Dbl-6BD (Wal.); etc.
- DEEPDENE. TB-M-Y4D (Williams-P.J. N.); R., 1941; (GOLDEN HIND $\times$ SUNDUST); $\square$.
- DEEP SHADOWS. TB-M-B1D (Cochran N.); R., 1941; (DAUNTLESS $\times$ Seedlg.); H.C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; $\square$ sl.
- DEEP VELVET. (Salb. 1939); etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; etc.
- *DE-KAY. Etc., R., 1933; (KALOS $\times$ WILD ROSE).
- DELAWARE. Etc., $\square$.
- *DELECTA. (Sal.); etc.
- DELFT. Etc., $\square$.
- DELICE. TB (Burt. N.); Yr. Bk. I.S. (E.) 41. 1939.
- *DELICIOSA. TB-EM-B9M (Gers. N.); R., 1936; etc.
- DELIGHT. Etc., R., 1920.
- DELPHINUS. TB-La-B1D (Tharp 1940); Tharp 1940; R., 1940; (BLUE EAGLE $\times$ SOUV. DE LOETITIA MICHAUD). Delta. Kund. 1941a; (strain of Louisiana Irises).
- DEMBIDOLLO. TB-M-24M (Senni N.); etc., **Demidollo**.
- DEMETER. TB-MLa-S7M (Gers. N.); R., 1940; (ROSY WINGS $\times$ CHRISTABEL); $\square$ sl.
- Demi Deuil**. Kat. 1941; DEMI-DEUIL.
- Demidollo**. A.I.S. Check List 189. 1939; DEMBIDOLLO.
- Depute Nombolt**. Stoner 1940; DÉPUTÉ NOMBLLOT.
- Deput Nomblot**. Rockmont 1940; DÉPUTÉ NOMBLLOT.
- Derekto**. A.I.S. Check List 190. 1939; DERKETO.
- DERKETO. TB-MLa-B9L (Gers. N.); R., 1938; (MELA-HASKA $\times$ BRUNO); **Derekto**; $\square$ li.
- DESDEMONA. Jap-Dbl-6BM (Per. 1940); Per. 1940.

- Desert.** Gard. Chron. 3rd Ser. 105: 393. 17 June 1939; DESERT GOLD.
- DESIRABLE.** TB-M-W2D Millik. 1941.
- DESIRE.** (Mor.); etc., R., 1924.
- Destiny.** TB-S3D (Bliss N.); Bull. A.I.S. 43: 31. Apr. 1932.
- DEUCES WILD.** TB-M-Y9M (Graves N.); R., 1941; (STRAWBERRY BANKE × Seedlg.); □ sl.
- Dewey Moon.** De Forest 1940; DEWY MOON.
- DEWY MOON.** Cal-W4 (De Forest 1940); De Forest 1940; etc.
- Dichotama.** Horton 1941; *I. dichotoma*.
- *Dido.** TB (Wal. 1930).
- *DINKY.** TB (Bliss).
- DIOMED.** Sib-VLa-B8D (Wal. 1939); etc.
- Direc. Pinelle.** Horton 1940; DIRECTEUR PINELLE.
- Direc. Pinello.** Horton 1940; DIRECTEUR PINELLE.
- Directeur Pincelle.** Encino 1940; DIRECTEUR PINELLE.
- DIRECTEUR PINELLE.** (Cay. 1932); etc., R., 1931; etc., **Direc. Pinelle;** **Direc. Pinello;** **Directeur Pincelle.**
- DISPLAY.** TB-M-R9D (Grant N.); R., 1941; (THE RED DOUGLAS × CHRISTABEL); □ sl.
- DISTINCTION.** (Cay. 1925); etc.
- Distinction.** Span-S9D (Homan); Homan-H. 1940.
- DIVERSE.** (Dan.); etc.
- DIVINE EVADNE.** TB-M-S9M (Tobie 1940); Tobie 1940; Gage 1941; R., 1940; □ sl.
- DIXIE MOONLIGHT.** TB-VLa-W6L (Wash. 1937); etc.
- Doctor Minot.** National 1940; DR. MINOT.
- DODIE.** TB-M-VLa-Y4M (Winter N.); etc.
- DOGE MANTLE.** TB-M-R1D (Lewis-H. N.); R., 1940; (MOUNT ROYAL × SELENE); □ sl.
- DOMUS AUREA.** Etc., 2nd C.C., Rome 1940; Yr. Bk., I.S.(E.) 63. 1940; Bed I.
- DONA SOL.** Etc., R., 1930.
- Don Jose.** (De Forest 1941); ADELANTO.
- Don Juan.** TB-M-S9L (Mag. 1926); Le Gron 1941.
- DON QUIXOTE.** (Mohr-Mit); etc., LeGron 1940; Per. 1940; **Donquixote.**
- DORABELLA.** (Stern N.).
- Dorc. Hutcheson.** Horton 1940; DORCAS HUTCHESON.
- DORÉ.** TB-La-Y4L (Sass-J. 1935); etc.
- Dor. Hutchinson.** LeGron 1940; DORCAS HUTCHESON.
- DORIC.** Etc., □.
- DORIS M. TAYLOR.** IB-MLa-R3D (Gage 1941); Gage 1941; R., 1940; **Doris Taylor;** □ str.
- Doris Taylor.** Gage 1941; DORIS M. TAYLOR.
- DOROTHY.** TB-M-B1M (Benners N.); R., 1940; □ sl.
- DOROTHY FLETCHER.** Etc., R., 1931.
- DOROTHY SLEEPER.** Jap-Dbl-M-5BL (Fiske-C. N.); R., 1941.
- DOUBLOON.** TB-EM-M-Y4D (Ketchum 1940); R., 1941; □ sl.
- Douglasiana, dwarf albino form.** (Starker); Gard. Ill. 62: 321. 29 June 1940%; AGNES JAMES.
- DOUGLASIANA MAUVE QUEEN.** (Per.); Per. 1940; etc.
- Douglasiana rosea.** Cal-S7L (Per. 1923); Per. 1923; 1940.
- DQVER.** TB-La-R3D (Dan.); etc., □.
- DOWN EAST.** TB-M-B7D (Tobie N.); R., 1941.
- DRAGON BROCADE.** (Hellings N.).
- DRAGOON.** TB-La-Y9D (Wash. 1938); etc.
- *DRAMA.** (Sheets); etc.
- DRAYTON.** Etc., R., 1930.
- Dr. Chas. E. Mayo.** A.I.S. Check List 199. 1939; DR. CHAS. H. MAYO.
- DR. CHAS. H. MAYO.** TB-EE-R3M (Fry. 1924); etc., **Dr. Chas. E. Mayo.**
- DREAM LAKE.** Etc., □.
- DREAMLIGHT.** Etc., R., 1923.
- Dresden China.** Jap-Dbl-1W1 Barr 1941.
- DRESDEN DOLL.** Etc., □.
- Dr. Haeringh.** Dut. Wisbech 1940; D. HARING.

- DR. MINOT. (Donahue); etc., **Doctor Minot**.
- DRUSILLA. Etc., □.
- DUBROVNIK. TB-M-S7M (Wmsn. 1938); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 3, July 1940.
- *DUCHESS OF MAIN STREET. TB-M-W1 (Tharp 1937); R., 1939.
- DUCHESS OF MAIN STREET. TB-E-Y4M (Tharp N.); R., 1941; (EASTER MORN × DOLLY MADISON).
- DUCKLING. Etc., R., 1939.
- DUET. TB-M-La-S9M (Grant N.); R., 1941; (RHAPSODY × ...); □ sl.
- DU GUESCLIN. Etc.
- DULCIMER. TB-M-B1M (Mor. 1932); etc. R., 1932.
- DUSK OF THE GODS. Etc., ((Jack-H. Seedlg.) × (GERTRUDE × VIOLETTA)) × (PUMILA ATROVIOLEACEA).
- DUSKY BOY. Etc., R., 1931.
- DUSKY QUEEN. Etc., □ wly.
- DUSTY MILLER. TB-M-S4M (Groff N.); R., 1941; □ sl.
- DYMIA. Etc., **Harmony** (Shuber).
- EARL CROSS. Etc., R., 1939.
- Early Dawn. Jap-6BL Per. 1940.
- EBEN. TB-La-B7D (McKee N.); R., 1940; (SHIWASSEE) × ((MARY GEDDES) × (Helios (Cay.) × JANET BUTLER)); □ sl.
- E. B. WILLIAMSON. Etc., Bull. A.I.S. 73: 65. Apr. 1941; etc.
- ECLADOR. Etc., R., 1932; etc., **Elcador**.
- Ecstasy. Jap-Sgl-3R (Barber 1936); Hoodacres 1936; 1940.
- EDGEELL. TB-M-Y4M (Bent 1941); Bent 1941; R., 1941; (RAMESES × TUSCANY GOLD) × (GLORIOLE); □.
- EDITH MITCHELL. Etc., R., 1938.
- EDNA HICKS. TB-EM-B9M (Gage 1941); Gage 1941; R., 1940; (SHIAWASSEE × PURPLE GIANT); □ sl.
- EDWARD LAPHAM. TB-M-R4D (Lap. N.); R., 1940; (OMAHA × JERRY) × (RUBEO); H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; □ sl.
- EGRET. TB-La-W4 (Groff); etc.
- EGYPTIANELLA. TB-M-La-R4M (De Forest N.); R., 1940; (JEAN CAYEUX × SALAR).
- Elamour Blue**. Bommers. 1940; **ELEANOR BLUE**.
- ELBERTA. TB-M-La-R4M (Maples N.); R., 1940; (Seedlg. × Seedlg.); □.
- Elcador**. Doub 1941; **ECLADOR**.
- EL CAPITAN. Etc., R., 1925.
- ELEANOR. Sib-VLa-B7M (Wal. 1929); etc.
- ELEANOR BLUE. TB-M-B1L (Salb. 1933); etc., **Elamour Blue**.
- ELEANOR OF TOLEDO. Etc., □.
- ELEANOR ROOSEVELT. IB-M-Re-R1D (McDade 1933); McDade 1933; etc.; □ sl.
- ELEGANS. TB-M-W6L (Smith-K. N.); R., 1941; (EASTER MORN × YELLOW GLORY).
- elegantissimo. Laev-W2 Wada 1935; 1937; 1938.
- ELEGY. TB-B1M (Wareham 1934); R., 1934.
- ELEPHANTINA. Etc., R., 1931.
- ELEVEN THIRTY. Cal-B1D (De Forest 1940); De Forest 1940; etc.
- ELFIN. (Bun. N.).
- Elfin Sprite**. DB-E-WW ELF QUEEN.
- ELF'KIN. DB-E-B1D (Callis N.); R., 1941; (YALU × DIXMUDE).
- ELF QUEEN. Etc., R., 1938; **Elfin Sprite**.
- *Elfride. Jap-5B Ware 1884; \$.
- ELITE. Jap-Sgl-1W (Burtner N.); R., 1941.
- ELIZABETH ANN. (Lap. 1940); Gage 1940; R., 1938, etc.
- ELIZABETH EGELBERG. Etc., R., 1930; etc., **Eliz. Egelberg**.
- ELIZABETH TOY. TB-M-R7M (Whit. betw. 1934-1939); Gard. Chron. 3rd Ser. 105: 384. 17 June 1939; R., 1940 (PURISSIMA × BRUNO) × (MAISIE LOWE); Long-B.R. 1940a.
- Eliz. Egelberg**. LeGron 1940; ELIZABETH EGELBERG.
- Eliz. Huntington**. Horton 1941; ELIZABETH HUNTINGTON.

- ELLA CALLIS. TB-MLa-Y7D (Sass-H.P. N.); R., 1941.
- ELLA MAE. (Callis 1939); R., 1938; etc.
- *ELLEN LEAF. TB-MLa-S9M (Gers.); etc.
- ELLEN LEAF. TB-MLa-R6M (Gers. N.); R., 1940; (MME. CHERI × DUSK) × ((BRUNO × SHERBERT; No. V4) × (DAUNTLESS)); □ sl.
- ELLEN NESSEL. Etc., R., 1938.
- EL ROJO. Etc., R., 1938.
- ELSA. Etc., R., 1925.
- ELSA SASS. Etc., R., 1938; etc., Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- ELSIE GERSDORFF. Etc., □ sw.
- Elsinore. Horton 1940; ELSINORE.
- El Tavor. Rockmont 1940; EL TOVAR.
- ELTON. Jap-Dbl-7BL (Burtner N.); R., 1941.
- ELY. Etc., R., 1938.
- EMBASSY. TB-M-B7D (Jay 1930).
- EMBER. Etc., (SINDJKHA × *trojana*).
- EMBERGLOW. TB-MLa-R4M (Gers. N.); R., 1940; (SUNNY MORN × NUMA ROUMESTAN); □ sw.
- EMBOSSSED VELVET. Etc., □ sw.
- EMIR. (Yeld); etc., R., 1930.
- EMMELINE BLUE. Etc., R., 1932.
- EMPEROR ARCADIOUS. Etc., □.
- EMPEROR JONES. TB-La-Y4D (Tharp 1939); Tharp 1939; R., 1940; (KING TUT × SINDJKHA) × (MES-SALINE × AMERIND).
- EMPIRE STATE. TB-M-R6D (Wayman N.); R., 1941; □.
- ENA. TB-M-Y9L (Bommers. 1940); Bommers. 1940; R., 1940; (Helios (Cay.) × APHRODITE).
- ENAMORADA. TB-M-R9L (Gers. 1940); Callis 1940; etc.
- ENCHANTED WATER. TB-EM-B7M (Berry 1937); etc., Minnetonka (Berry).
- ENCHANTING SKY. TB-M-B1L (Cahoon N.); R., 1940; (K. V. AYRES × SITKA); □ sl.
- Eniyu-kaku. Jap *Enjukaku.
- *Enjukaku (Crane of Longevity). Jap. Etc., Enjukaku; Eniyu-kaku.
- Enobia. National 1940; EUBOIA.
- Ensorceleur. Horton 1940; ENSORCELEUR.
- ENTRE NOUS. Etc., R., 1938; ($\frac{1}{4}$ Onc.).
- EPHESIA. TB-VLa-S8M rev (Gers.); etc.
- EPISODE. TB-E-M-R4L (White-C.G. N.); R., 1941; (NARANJA × FIESTA).
- Equinoz. Horton 1940; EQUINOX.
- Erebien. Rockmont 1940; EREBIAN.
- *EREK. Etc.
- ERIE. TB-La-B1L (Groff N.); R., 1941; □.
- ERL KING. TB-VLa-B7D (Kirk.); etc.
- ERNEST BIGLAND. Etc., R., 1935.
- ERROMANGO. Etc., R., 1932.
- ESCALIN. Etc., □.
- ESCORT. TB-La-M-Y4D (Williams-T.A. N.); R., 1941; (LUCREZIA BORI × GOLDEN HIND).
- ESCUTCHEON. Jap-Dbl-B6M (Barber 1939); Hoodacres 1939; R., 1938.
- ESPECIALLY YOU. (White-C.G.-Sturt. 1940); Fair. 1940; etc.
- ESSENCE. TB-M-Y6M rev (Gers.); etc.
- ESTELLA. TB-M-R9M (Bommers. N.); R., 1941; (FRIVOLITÉ × SPOKAN).
- Esteral. Billmyrt 1940; ESTEREL.
- ESTEREL. Etc., R., 1927; Esteral.
- Estrelita. A.I.S. Check List 215. 1939. ESTRELLITA.
- ESTRELLITA. Cal-Y8M (De Forest 1939); etc., Estrelita.
- Estrellita. TB-M-B7M (Mil. N.).
- ETERNAL CITY. TB-MLa-W9D (Long-B.R. N.); R., 1941; (FARANDOLE × OPHELIA) × ((SUZANNE AUTISSIER × VALKYRIE) × (MRS. VALERIE WEST)); 2nd C.C., Rome 1940; □.
- ETHEL D. STOUT. Jap-Dbl-3BM (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).
- Ethel Mitchel. TB Bull. A.I.S. 66: 30. Sep. 1937; ETHEL MITCHELL.
- ETHEL MITCHELL. TB-R1L (Graham-S. N.); Bull. A.I.S. 66: 30. Sep. 1937; Ethel Mitchel.

- ETHEL PECKHAM. Etc., R., 1931;
Ethel Reckham.
Ethel Reckham. Gard. Chron. 3rd Ser.
 105: 384. 17 June 1939; ETHEL PECK-
 HAM.
Ethelwyn Du Bar. Bommers. 1940;
 ETHELWYNN DUBUAR.
Ethelwyn Dunbar. Wayman 1940;
 ETHELWYNN DUBUAR.
 ETHELYN KLEITZ. (Gage 1940);
 Gage 1940; Fair. 1940; R., 1938; etc.
Ethelynn Dubuar. Horton 1940; ETHEL-
 WYNN DUBUAR.
 ETHEREAL. (Ayres); etc., R., 1938.
Ethiope Queen. Doub 1941; ETHIOP
 QUEEN.
 ETRUSCAN. TB-La-B7M (Shippy
 N.); R., 1940; (B Seedlg. $\times$ SAN
 DIEGO); $\square$ gr.
 EUBOIA. Etc., **Enobia.**
 EUNICE. (Van T.); etc., R., 1938.
 EUPHEMIA. (Lap.), etc.
 EUTERPE. (Cay. N.); etc.
 EVA BRALLIAR. Etc., R., 1921.
Evangeline. TB-R1L (Mur.); etc.,
 FAIRY PRINCE.
 EVELYN PULLAR. TB-Win-B1L
 (Pullar 1938); Cooley 1938; R., 1938;
 etc.
 *EVENING STAR. TB (Bliss N.).
 EVENTIDE. TB-M-R7L (Sass-H.P.
 1926); etc.
 EVENTYR. Etc., R., 1936.
 EVEREST.. (Tomalin); etc., R., 1938;
 etc., $\square$ str.
 EVER GAY. (Kirk. 1939); R., 1939;
 etc.
 EVER GLAD. TB-La-R4M (Tharp
 1940); Tharp 1940; R., 1940; (NO-
 WE-TA) $\times$ ((RAJPUT $\times$ ALCAZAR; a
 blend) $\times$ (AMERIND)); $\square$.
 EVERGOLD. (Grant 1940); Fair. 1940;
 R., 1938.
 EVOLVED. TB-M-S4M (National
 1940); National 1940; R., 1940; $\square$ str. p.
 E. W. ROENIG. Etc., R., 1926.
 Excelsior. Span-B3M rev (Homan 1928);
 Barr 1928; 1938; Homan-H. 1940.
 EXCLUSIVE. Etc., Bull. A.I.S. 73:
 65. Apr. 1939; etc.
- EXEMPLAR. Etc., $\square$.
 *Exquisite. Jap-6BL Ware 1887; 1903;
 etc.
 extremorientalis. Sib?-B7 Wada 1935;
 1937; 1938.
 FACET. DB-M-R7D (Callis N.); R.,
 1941; (TONY $\times$ VELVO); $\square$ vio.
 FAIR CHARMER. TB-La-R1M
 (Berry); etc.
 *FAIR CYNTHIA. TB-M-W7L (Gers.
 N.); R., 1937; etc.
 FAIR ELAINE. Etc., Bull. A.I.S. 73:
 66. Apr. 1939; A.M., A.I.S. 1940; Bull.
 A.I.S. 78: 3. July 1940; etc.
 FAIR ROMANCE. (Gers. 1941); Callis
 1941; etc.
 FAIR SKY. TB-E-M-B1L (Grant
 1941); Fair. 1941; R., 1940; (GLORIOLE
 $\times$ SHINING WATERS) $\square$ sl.
 FAIRVIEW. TB-M-S9M (Daniels N.);
 R., 1941; $\square$ sl.
Fairy. DB-E-B3M Huntgn. 1941: DIE
 FEE.
 FAIRY CHARM. TB-M-La-R4L (Fay
 N.); R., 1941; $\square$ sl.
Fairy Gold. IB-E-M-La-Re-Y4D (Met.
 Dys. 1936); Houdy. 1936; GOLDEN
 CATARACT.
 FAIRY LUSTRE. TB-ME-Y4L (Wash.
 1940); Fair. 1940; R., 1939; H.M., A.I.
 S. 1940; Bull. A.I.S. 78: 4. July 1940;
Moon Mist (Wash.); $\square$ sl.
 FAIRY'S DREAM. TB-M-S9L (Par-
 ker-J.B. N.); R., 1940; (OPALINE $\times$
 DOLLY MADISON); $\square$ sl.
 FAKIR. TB-B7D (Cay. 1933); Bull.
 S.N.H.F. 6th Ser. 1: 136. Mar. 1934;
 etc.
 FALL BEAUTY. TB-E-Re-S3M (Na-
 tional 1941); National 1941; R., 1941;
 $\square$ sl.
 *FANCY FREE. (Wal.-J.; Saun.-W.E.);
 etc., R., 1930.
 FANCY FREE. TB-La-R1L (Cook);
 etc.
 FANFARE. TB?-B3L (Barr); A.M.
 R.H.S. 1941; Yr. Bk., I.S. (E.) 21.
 1941.

- FANTASY. TB-M-R4L (Hall-D. N.); R., 1941; (fr. several generations Seedlgs. fr. RAMESES, DAUNTLESS, JEAN CAYEUX, MOROCCO ROSE); □ sl. cl.
- FANTOCHE. DB-MLa-SiL (Peckham N.); R., 1940; (ROSE DOMINION × ROSE DOMINION).
- Farakhan.** National 1940; FERAHAN.
- FARCROSS. TMB-E-S7D (White-C.G. N.); R., 1940; (¼ Onc.).
- FARMERETTE. TMB-E-S2M (White-C.G. N.); R., 1940; (Oncobred); □ sl.
- FAR NORTH. TB-La-W4 (Graham-S.); etc., □ sw.
- FAROCCA. TB-MLa-W9D (Peckham N.); R., 1940; (Peckham No. 3651 × WABASH).
- FAUSTINA. TB (Senni); etc.
- FAUSTINE. (Lémon); etc.
- F. B. Mead.** Millik. 1941; FRANKLIN B. MEAD.
- FERAHAN. MB-B (Fos.); etc., National 1940; **Farakhan.**
- FERAL. DB-EE-B1L (Callis N.); R., 1941.
- FERVOR. Etc., R., 1932.
- FESTOON. TB-La-S8L (Gers.); etc., Bed I.
- FIFINELLA. Sib-VLa-B7L (Wal. 1939) etc.
- FILLMORE. TB-La-S7D (Wern. N.); R., 1940; (WACONDA × Wern. Seedlg.).
- FINCH. Etc., Tab I.
- FINELLA. Etc., Bed I.
- FINLANDIA. TB-E-W4 (Decker N.); R., 1940; (LOS ANGELES × EASTER MORN); □ sl.
- FIRE BLUE. Jap-Dbl-6BD (Barber 1940); Hoodacres 1940; etc.
- FIREBRAND. TB-VLa-S6D (National 1941); National 1941; R., 1941.
- FIRECRACKER. TB-MLa-Y8M (Hall-D. N.); R., 1941; Bed I.
- FIREFLASH. TB-M-W4M (Sturt.); etc.
- FIREFLY. (Hall-D.); etc., (RAMESES × DAUNTLESS) × (Sass 30-40); etc.
- FIRELIGHT. TB-M-S9M (Stevens-W.R. N.); R., 1941; (ACHILLES (Stevens-W.R.) × MARESCAL NEY); □.
- FIREWORKS. TB-M-R6M (Wayman 1940); Wayman 1940; R., 1940; (JUNALUSKA × ...).
- Fischeriana. Correvon 1934; 1940; *I. laevigata*?
- Fk. Roosevelt.** Horton 1940; FRANKLIN ROOSEVELT.
- *Flamingo. Jap. deG. 1906; Hilaire 1928.
- FLAMING YOUTH. Etc., Bed I.
- FLAMME D'OR. TB-M-Y6D (Tharp 1939); etc.
- Flanbeau.** Houdy. 1941; FLAMBEAU.
- FLASHED OPAL. TB-La-BiL (Groff N.); R., 1941; □.
- FLECTA. (Ainsley); etc.
- *FLEQUILLO. TB-M-W8M (Gers. N.); R., 1937; etc.
- FLESOLE. Etc., □.
- FLEURISSANT. Etc., □.
- Flo. Barrequand.** Horton 1941; FLORENCE BARRIQUAND.
- *FLOCADURA. TB-MLa-W8M (Gers. N.); R., 1935; etc.
- FLORA CAMPBELL. TB-La-M-S6D (Hillson 1940); Hillson 1940; Whiting 1940; R., 1940; (fr. Hillson and Sass Seedlgs. with concentration of KING TUT × EL TOVAR); H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; □ p.
- FLORA RICKENBACH. TB-M-Y9L (Bommers. N.); R., 1941; (HAPPY DAYS × PINK OPAL); □ sl. sw.
- FLORA ZENOR. TB-La-M-R4L (Sass-J. N.); R., 1941; (DORÉ × ...); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941.
- FLORENTINE. (Cay. 1937); etc.
- FLORIAD. Etc., □.
- FLOSSIE. Etc., R., 1932.
- FLOWER ACE. Etc., (Seedlg. × Seedlg.); etc.
- FLUTTER-BY. Etc., (DALMATICA × PRESTIGE) × (SHERBERT); etc.
- FOAM SPRITE. Etc., Bed I.
- foetidissima fructeo lutea. Scar. S. Per. 1940.

- FOLKWANG. Etc., R., 1924.
- FONTANETTE. Etc., (ELSINORE) × ((WILLIAM MARSHALL × ...) × (IRIS KING)).
- FOREST AFLAME. TB-VLa-S7M (National 1940); National 1940; R., 1940; □ str.
- FOREST FIRE. TB-M-R6M (Wayman 1940); Wayman 1940; R., 1940; (MARY ELIZABETH × ...).
- FORFAR. TB-MLa-B3M (Barr 1940); etc.
- *FORGET-ME-NOT. TB-B1L (Given 1929).
- FORLANA. Etc., □.
- forrestii* × *longipetala*. Ingwersen 1940.
- FORT KNOX. TB-M-Y4D (Millik. 1941); Millik. 1941; R., 1941; (SUNGOLD × CHOSEN); H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- Fortune.** (Pesel); Yr. Bk., I.S. (E.) 32. 1937; FORTUNIO.
- FORTUNE. TB-M-S4L (Klein. 1941); Cooley 1941; R., 1941; (OLD PARCHMENT) × ((TUSCANY GOLD × ...) × (RAMESES)); □.
- FORTY-NINER. TB-La-Y4D (Groff N.); R., 1941; □ sl.
- FRA ELBURTUS. Jap-Dbl-6BD (Barber 1939); Hoodacres 1939; etc.
- FRAGRANCE. Etc., R., 1931; etc.
- FRAICHEUR. TB-M-R8L (Nonin.); etc., C.M., S.N.H.F. 1930; Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934.
- FRAMINGHAM. TB-M-B1L (Bent 1941); Bent 1941; R., 1941; (SOUV. DE LOETITIA MICHAUD × BUECHLEY GIANT) × (VENUS DE MILO); □.
- FRANCES. TB-S3D (Per. 1914); etc.
- FRANCES DOUGLAS. TB-EM-S7M (Gage 1940); Gage 1940; etc.
- FRANCES GRAY. TB-M-R7L (Hud. 1931); Hud. 1931; etc.
- FRANCISCAN. TB-EM-Re-W6L (Davis-N. N.); R., 1940; (SANTA BARBARA × DESERT GOLD); □ sl.
- FRANCONIA. TB-M-WW (Graves N.); R., 1941; (ALBA MONTE × SNOWKING); H.C. A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; □ str.
- FRANK ADAMS. (Lap. 1937); etc., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; etc.
- FRANKLIN B. MEAD. TB-M-W2 (Mead-Riedel 1936); etc., **F. B. Mead.**
- FRANKLIN ROOSEVELT. Etc., **Fk. Roosevelt.**
- FRANNY SHORT. TB-M-WW (Tobie N.); R., 1940; (MERCEDITA × ...); □.
- FRECKLES. TB-M-S5L (Bech. 1941); Schreiner 1941; R., 1940; □ sl.
- Freckles. Eng.-W2 (Kanouse 1941); Kanouse 1941.
- Fredrick.** TB-M-R9M (Bommers.); CLARK MOORE.
- FREEPORT. Etc., R., 1930.
- FRESNO. TB-M-Y9D (Hend.-W.K. 1932); etc., R., 1932; etc.
- FRETILLON. (Cay.).
- FRIEDA MOHR. Etc., (BOSNIAMAC × *mesopotamica*) × (GAVIOTA); etc.
- FRILLED GOLD. Etc., Bed I.
- FRONDEUR. Etc., R., 1932.
- FROST FAIRY. (Con.); etc.
- FROST QUEEN. IB-M-Re-WW (Sass-H.P. 1933); etc.
- FROSTY BLUE. TB-M-B1L (Whiting 1941); Kellogg-W.M. 1941; R., 1940; (GLORIOLE × SHINING WATERS); □.
- FROSTY MOONLIGHT. TB-La-B1L (Lewis-H. N.); R., 1940; □.
- FROZEN FOAM. Etc., R., 1931.
- FUJI-NO-TAKI-NAMI. Jap-Sgl-3B (Shuho-en bet. 1923-1930); etc.
- Fukamurasaki.** Yok. 1925; 1926 %%; FUKAMURA-SAKI.
- FUKAMURA-SAKI (Deep Purple). Jap-Dbl-6BD (Toko-en bet. 1900-1910); etc., **Fukamurasaki.**
- Fuki-no-hana. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- FULFILMENT. TB-La-R3M (Shippy N.); R., 1941; (ETRUSCAN × BD Seedlg.); □ p.
- FULGORE. (Cay.); etc., R., 1930.
- *FULL MEASURE. TB-E-Y4M (De Forest N.); R., 1938; etc.
- FULL MEASURE. TB-La-Y4D (De Forest 1941); De Forest 1941; R., 1941; (DY Seedlg. × JEAN CAYEUX).

- FULVAFLAV. Etc., **Fulva Yellow**.
 FULVA SPECIAL. Fulv-R4D (Wayman 1940); Wayman 1940; (sport).
Fulva Yellow. Starker 1940; FULVA-FLAV.
 Fumetsu. Jap-Dbl-3RD Wada 1935; 1937; 1938.
 Funkoku. Jap-Sgl-6RM Per. 1940.
 FUSCIVENOSA. Vinic-S4M (Small 1931); Bot. Int. Irid. Pl. Gulf States 341. 1931; R., 1931.
 Fusha-no-Yume. Jap-Dbl-1RM Wada 1935; 1937; 1938.
 F. W. TOEDT. Etc., R., 1932.
- Gabirel**. Horton 1940; GABRIEL.
 GAHANO. Sib-E-R3D rev (Gers.); etc.
 GAINSBOROUGH. Etc., R., 1938.
 GALAFIEU. TB-M-R1D (Cay. N.); Yr. Bk., I.S. (E.) 49. 1935; R., 1937; etc.
 GALLANT LEADER. Etc., Bull. A.I.S. 73: 66. Apr. 1939; etc.
 GALLANT MISS. Etc., R., 1935.
Galois. A.I.S. Check List 239. 1939; GAULOIS.
 GAMBOGE. TB-La-Y4D (Wash.); etc.
 Gamokan. Jap-Dbl-1WW Wada 1935; 1937; 1938.
Garden Dominion. Bull. A.I.S. 78: 18. July 1940; GARDEN MAGIC?
 GARDEN FLAME. TB-La-R9M (Sass-H.P. 1941); Schreiner 1941; R., 1940; (fr. Seedlgs. fr. KING TUT); H.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; □ sl.
 GARDEN GLORY. TB-M-S4D (Whiting N.); R., 1940; (MATULA × GARDEN MAGIC); □.
 GARDEN JOY. Etc., R., 1938.
 GARDEN YELLOW. TB-M-Y4M (Sim. 1930); etc.
 GARONNE. TB-M-B7D (Mil. 1937); R., 1940; (... × VERT GALANT).
 GASCOGNE. TB-M-R1M (Mil. 1937); R., 1940.
 GAUCHO. Etc., □ sl.
 GAUL. TB-M-B3D (Bommers. N.); R., 1941; (MOUNT ROYAL × OX HEART).
- GAULOIS. TB-M-S6M (Cay. 1925); etc. **Galois**; §.
 GAULT. Etc., □.
 GAVROCHE. Etc., □.
 GAY DAY. TB-M-R9D (Wayman 1940); Wayman 1940; R., 1940; (MARY ELIZABETH × ...).
 GAYOSO. TB-EM-Y4D (Williams-T.A. N.); R., 1941; (LUCREZIA BORI × GOLDEN HIND).
 GAY VAGABOND. TB-M-Y8D (Nes. 1941); Fair. 1941; etc.
 Gem. Sib-B1D (Wal. 1940); Wal. 1940.
 GEM STATE. Etc., R., 1938.
 GENESEE. Etc., R., 1932.
 GENEVIEVE SEROUGE. (Cay. 1932); etc., **Genevive serough**; **Gen. Serouge**.
Genevive serough. LeGron 1940; GENEVIEVE SEROUGE.
 GENJI. IMB-E-B8D (White-C.G. N.); R., 1940; (Oncobred); □ sl.
Genji-yama. Weed 1930; GENJIYAMA.
Gen. Serouge. Horton 1940; GENEVIEVE SEROUGE.
 GENTILLY ROAD. Vicnic-MLa-B1D (Nic. Jr. 1932); Nic. Jr. 1932; 1933; etc., **Giganticaerulea var. Deep Blue**.
Geo. Davidson. Horton 1941; GEORGE DAVIDSON.
Geo. P. Baker. LeGron 1940; G. P. BAKER.
George J. Tribolet. Stoner 1940; GEO. J. TRIBOLET.
 GEORGIA PEACH. Etc., R., 1938.
Germain Perthuis. Salb. 1940; GERMAINE PERTHUIS.
 GERMAIN PILON. (Cay. 1931); Cay. 1931; (Hybd. de Vitry).
germanica. Etc., **Parisenses**; etc.
 GERTRUDE WELCH. TB-M-S7L (Gage 1941); Gage 1941; R., 1941; (ALLUMEUSE × SILVANUS); □ sl.
 GHISSERT. Etc., □.
 GIANT KING. Etc., R., 1931.
Gideon. TB-M-S7M (Kirk.); TRUMPETER.
 GIGANTEA. Jap-Dbl-7R (Prichard 1939); Prichard 1939.

- gigantea Victoria.** Back. 1940; OCHRO-
LEUCA QUEEN VICTORIA.
- GILDED KING.** Etc., (Seedlg. ×
Seedlg.).
- GILEAD.** Etc., R., 1931.
- ***GILT EDGE.** (Thom.-W.); etc.
- GILT EDGE.** TB-M-W6L rev (Whiting
1941); Whiting 1941; R., 1940; (HAPPY
DAYS × MATULA); □ str.
- GIN FIZZ.** TB-EM-W1 (Wareham N.);
R., 1940; (fr. Seedlgs. fr. DOMINION
and *trojana*); □.
- GIOCONDA.** Etc., □.
- GIOTTO.** Etc., □.
- GIPSY GIRL.** Etc., R., 1939.
- GIRIDLIAN'S CHOICE.** TB-EM-B9D
(Salb. 1941); Salb. 1941; R., 1941.
- GIRONDE.** TB-M-S1L (Mil. 1937);
R., 1940.
- GITCHE GUMEE.** TB-M-B1M
(Bent 1941); Bent 1941; R., 1941;
(WINTER SHADOWS × sister Seedlg.);
□.
- GLACÉ.** TB-M-S4M (Whiting N.); R.,
1940; (DORÉ × CAPRI); □ str.
- GLACILLA.** Etc., R., 1931.
- GLADSTONE.** Eng-B9L (Byvoet
1906); Byvoet 1906; Carter 1926; etc.
- GLAMOROUS NIGHT.** (Wiesner
1940); Fair. 1940; Whiting 1940; etc.
- GLAMOUR GIRL.** TB-M-S9L rev
(Richer N.); R., 1940; (MONS. CHABER
× SOUV. DE MME. GAUDICHAU) ×
(NÈNE).
- GLEAM O'GOLD.** Etc., R., 1928.
- GLEN ELLEN.** Etc., Bull. A.I.S. 73:
66. Apr. 1939; □.
- GLINT OF GOLD.** Etc., R., 1933.
- GLOOMY GUS.** Etc., R., 1939.
- GLORIA GLOVER.** TB-La-R7L (Bom-
mers. 1940); Bommers. 1940; R., 1940;
(COLUMBINE × PINK OPAL); **Eva**
(Bommers.).
- GLORISUN.** TB-VLa-Y4D (Bent
1941); Bent 1941; R., 1941; (SILVANUS
× GLORIOLE) × (SILVANUS × GLORI-
OLE; a sister Seedlg.); □.
- **GLORY OF OVERVEEN.** Span-B3L
(Byvoet 1900); Byvoet 1900; deG.
1919; Dobbie 1940; \$.
- GLORYWINE.** Jap-Dbl-5RL (Barber
1936); Hoodacres 1936; 1940.
- GLOWING.** TB-M-R6M (Bommers.
1940); Bommers. 1940; R., 1940;
(LENT A. WILLIAMSON × GLOWING
EMBERS).
- ***GLOWING SUNSET.** TB-EM-R9M
(Gers.); etc.
- GLOWING SUNSET.** TB-MLa-R6M
(Gers. N.); R., 1940; (ROSY WINGS
× CHRISTABEL).
- Gluck Cayeux.** A.I.S. Check List 119.
1929, 247. 1939; GLUCK (Cay.).
- GOLD BUG.** TB-M-S4D (Covert N.);
R., 1941; (GILEAD × CALIFORNIA
GOLD); □ sl.
- GOLD CHAMPION.** TB-M-Y4L
(Wayman N.); R., 1941.
- GOLDCRAFT.** TB-MLa-Y6M rev
(Gers. N.); R., 1940; (SANCIA ×
CHASSEUR); Bed I.
- GOLD DART.** TB-M-Y1D (Burtner
N.); R., 1941; (CORONATION × HAPPY
DAYS); □.
- GOLD DOME.** IB-EM-Y4D (Grant
N.); R., 1941; (CAFE AU LAIT ×
GOLDEN TREASURE).
- GOLDEN.** DB-E-Y4D (Ashley 1929);
etc.
- GOLDEN AGE.** TB-La-Y4D (Sass-J.
1939); etc.
- Golden Banner.** Burpee 1941; J. W.
DE WILDE.
- GOLDEN BEAR.** (Mit. 1936); etc.,
(Seedlg. 9-73-1 × Seedlg. 9-33-1); etc.
- GOLDEN BELLS.** Etc., Bed I.
- GOLDEN CATARACT.** Etc., **Fairy**
Gold (Met.-Dys. 1936); **Golden Cat-**
eract.
- Golden Cateract.** Oakhurst 1941; GOL-
DEN CATARACT.
- GOLDEN CHIMES.** TB-M-Y4M (Nes.
1938); etc.
- GOLDEN COCKEREL.** TB-M-Y4M
(Whiting-Hillson 1940); Whiting 1940;
Hillson 1940; R., 1940; (HAPPY DAYS
× MATULA).
- GOLDEN DREAM.** Etc., R., 1937.
- GOLDEN EAGLE.** TB-La-Y4D (Hall-
D.); etc., R., 1939; etc., H.C. A.I.S.
1941; Bull. A.I.S. 82: 4. July 1941; □.

- GOLDEN EMPEROR. (Van Bugge. 1939); etc., R., 1939.
- GOLDEN FAIRY. Vinic-Y4M (Nies N.); R., 1940; (ELEPHANTINA × FULVAFLAV; two generations).
- GOLDEN FLAME. TB-M-Y7D (Donahue); etc.
- GOLDEN FLEECE. TB-La-W6L rev (Sass-J. 1940); Whiting 1940; R., 1940; (SIEGFRIED × DORÉ); H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; □ sl.
- *GOLDEN GALLEON. TB (Mur. N.).
- GOLDEN GALLEON. TB-M-Y4D (Graves N.); R., 1941; (MERRIMACK × Salb. Seedlg.); □ M.
- GOLDEN GIANT. Etc., R., 1939; etc.
- GOLDEN GLINT. TB-M-Y9L (Wayman N.); R., 1941; □ sl.
- *GOLDEN GRACE. TB (Mur. 1933); \$.
- GOLDEN HEART. TB-EM-Y5L (Gers. 1940); Callis 1940; etc.
- GOLDEN HELMET. Etc., R., 1933.
- GOLDEN HIND. Etc., F.C.C., R.H.S. 1939; J.R.H.S. 65: 8. 264. Aug. 1940.
- GOLDEN IMAGE. TB-M-Y4D (Wayman N.); R., 1941; (Y Seedlg. × CALIFORNIA GOLD); □ sl. sw.
- Golden Light Sport. TB-M-Y4D (Kellogg 1940); (sport).
- GOLDEN MAGIC. TB-E-Y4D (Wayman 1940); Wayman 1940; R., 1940; (HAPPY DAYS × STATELLAE).
- GOLDEN MAJESTY. Etc., Bull. A.I.S. 81: 33. Apr. 1941%; H.M., A.I.S. 1939; Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; etc.
- GOLDEN MELODY. TB-M-Y4D (Wayman N.); R., 1941; □ sl.
- *GOLDEN NUGGET. (Ware 1904); etc.
- GOLDEN ORCHID. (Van Bugge. 1939); etc., R., 1939.
- Golden Pheasant.** Vestal; Bull. A.I.S. 80: 21. Jan. 1941; REDDENGOLD.
- Golden Queen. DB-E-Y Toole 1931; Ellis-G. 1939.
- GOLDEN RAIN. TB-M-La-Y4L (Lewis-H. N.); R., 1940; (Mit. A-98 × ...); □ sl.
- Goldenrod.** Sheets 1930; GIRL SCOUT.
- GOLDENROD. (Row.); etc.; R., 1930.
- GOLDEN SPIKE. (Whiting 1940); Whiting 1940; etc., Bull. A.I.S. 83: 25. Oct. 1941 %; H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. 1940.
- GOLDEN SPIRE. (Per. 1910); etc., Per. 1940.
- GOLDEN SPUR. TB-La-Y9D (Wash.); etc.
- GOLDEN SUNRISE. Dut-Y4D (Van Bugge. 1939); etc., R., 1939.
- GOLDEN TOUCH. TB-EM-W4 (Kirk-Williams N.); R., 1941; □.
- GOLDEN VANITY. TB-E-Y4M (Long-B.R.); etc.
- GOLDEN WARBLER. DB-M-Y4D (Nies N.); R., 1940; □ sl.
- GOLDFINCH. DB-E-Y4D (Barr 1928); Barr 1928; etc.
- GOLD FISH. TB-M-S9L (Wareham 1934); R., 1925.
- GOLD FLAKE. Etc., R., 1933.
- GOLD FRINGE. TB-EM-Y4M (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □.
- GOLD HILL. TB-M-La-S9D (Miller-C. N.); R., 1941; (HAPPY DAYS × DAUNTLESS).
- Goldie.** (Boeh.); A.I.S. Check List 252. 1939; GOLDIE (Black).
- GOLDIE. TB-M-Y9D (Black 1933); Boeh. 1933; Bull. A.I.S. 48: 75. July 1933; R., 1930; **Goldie** (Boeh.).
- GOLD INLAY. Etc., Bed I.
- *GOLD LODE. TB-VLa-Y4M (Gers. N.); R., 1937; etc.
- GOLD QUEEN. TB-M-Y4D (Wayman 1940); Wayman 1940; R., 1940; (HAPPY DAYS × STATELLAE).
- GOLD RIVER. Cal-Y4D Boothman 1940; (form of *I. innominata*); **innominata Gold River.**
- GOLDSMITH. TB-M-Y4D (Wayman N.); R., 1941; □ str.
- Gold Spangle. DB-Y Wass. 1941.
- GOLD STRIKE. TB-M-Y6D (Groff N.); R., 1941; □ sl.
- GOLD TOKEN. Etc., Bed I.
- Gold Wing.** Horton 1940; GOLDWING.

- Goldzins.** A.I.S. Check List 120. 1929; GOLTZIUS.
- Goliath.** TB-B1D (Brehm); Bull. A.I.S. 67: 14. Oct. 1937.
- GOLTZIUS.** Etc., **Goldzins.**
- GONDAR.** Etc., (Corsaire (Cay.) × DRYADE).
- GOOD ENOUGH.** TB-M-Y4D (Tharp N.); R., 1941; (HESPER × W. R. DYKES).
- GOOD NEIGHBOR.** TB-M-S3M (Fitz-hugh N.); R., 1941; (PERSIA × EVOLUTION) × (PRESIDENT PILKINGTON × PERSIA); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941.
- GOOD SIR.** TB-M-Y9D (White-C.G. N.); R., 1941; H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941.
- G. P. BAKER.** Etc., **Geo. P. Baker.**
- Grabriel.** Mt. Upton 1940; GABRIEL.
- GRACE BALLARD.** TB-MLa-S4L (Sass-H.P. N.); R., 1941; (NARANJA × PRAIRIE SUNSET); □ sl.
- GRACE MOHR.** Etc., Bull. A.I.S. 73: 65. Apr. 1939.
- gracilepes.** Back. 1940; *I. gracilipes*.
- GRAND CANYON.** TB-M-S4D (Klein. 1941); Cooley 1941; R., 1941; (TREASURE ISLAND × FAR WEST); □.
- GRAND CHAMBERLAIN.** Etc., R., 1939.
- GRAND DUCHESS.** Jap-Sgl-3BL (Prichard 1939); Prichard 1939.
- GRAND GUARDIAN.** TB-M-B1D (Tharp 1935); R., 1940.
- GRAND MARSHAL.** TB-M-Y4D (Millik. 1941); Millik. 1941; R., 1941; (CHINA MAID × CHOSEN); □ sl.
- GRAND MONARCH.** Etc., R., 1928.
- Grand Vainqueur.** Eng Homan-H. 1940; GRAND VAINQUER.
- GRASSY YELLOW.** Etc., □.
- GRATONE.** (Gers. 1934); etc., R., 1930; etc.
- Gravenia.** Alpenglow 1940; *I. graminea*.
- GRAY BONNET.** TB-MLa-S1M (Gage N.); Bull. A.I.S. 79: 13. Oct. 1940.
- GRAY CLOUD.** (Sass-J. 1933); etc., (Y Seedlg., i.e. (a pumila × ...)) × (RC BEATRIX).
- GRAY SUNRISE.** TB-M-S1L (Schroeder N.); R., 1941; (DOLLY MADISON × DOMINION).
- GREAT ATLAS.** Etc., □ sl.
- Greater Vendor.** National 1940.
- GREAT GUNS.** TB-La-S1D (Groff N.); R., 1941; □ sl.
- GREAT LAKES.** Etc., A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
- GREEN GOLD.** TB-M-Y4M (Groff N.); R., 1941; □.
- G. Regis.** Jap. Hilaire 1928.
- GREYFRIARS.** Jap-Dbl-6RM (Prichard 1939); Prichard 1939.
- *GRIMALKIN.** IB-VLa-B1L (Gers. N.); R., 1939; etc.
- Grinter's Amoena.** TB-W9D (Grinter 1940); Quality 1940.
- GUBBIO.** TB-EM-R6M (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □.
- GUDRUN.** Etc., R., 1931.
- GUIDO GEZELLE.** Dut-B3L rev (Van Meer. 1918); R., 1940; Homan-H. 1940.
- GUIENNE.** TB-M-B3D (Mil. 1937); R., 1940.
- GUILDER ROSE.** Etc., □.
- GUNGA DIN.** TB-M-Y4D (Groff N.); R., 1941; □ sl.
- GUNNAR GOLD.** TB-M-Y4M (Groff N.); R., 1941; □.
- GWYNNE.** Etc., R., 1930.
- GYPSY RUBY.** TB-La-R4M (Sill.); etc.
- GYPSY SWEETHEART.** TB-M-R1L (Groff N.); R., 1941; □.
- HABANERA.** TB (Cay. N.).
- *HAFIZ.** (Baker-G.P. N.).
- Hagitsuyu.** Jap-Dbl-WW Wada 1935; 1937; 1938.
- *HAIRAN.** (Baker-G.P. N.).
- HAKURYO.** Laev-Sgl-1 Wada 1935; 1937; 1938; Chugai 1939.
- HAKUSAN.** Etc., R., 1938.
- HALF N'HALF.** TB-La-W & R1D (Kellogg-W.M. N.); R., 1941.
- HALLCROFT.** Etc., □.
- HAMPTON.** Etc., R., 1938.
- Hanachirunami.** Jap-Dbl-1WW Wada 1935; 1937; 1938.

- Hanagumori. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- Hanazato. Jap-Dbl-3RD Wada 1935; 1937; 1938.
- HAPPY DAYS. (Mit. 1934); etc., (Seedlg. 9-33-1 $\times$ W. R. DYKES); etc.
- HAPSBURG. TB-La-Y9M (Salb. 1938); etc.
- Haring.** Constable 1939; D. HARING.
- HARLEM. TB-La-R3D (Salb. 1938); etc.
- HARMONY. (Dykes); etc., R., 1923.
- Harmony.** (Shuber); A.I.S. Check List 263. 1939; DYMIA.
- HARRIET FORDYCE. TB-M-B1L (Wiesner 1940); Kellogg 1940; Fair. 1940.
- HARRISON WHITE. TB-La-W4 (Lewis-H. N.); R., 1940; (ROB ROY $\times$ MOONLIGHT); $\square$ sl.
- HARWOOD. IB-M-B7D (Brethour 1938); Ross-A. 1938; R., 1940.
- Hasse Cobeia.** Horton 1940; HASSE OOBIA.
- hauranensis.* Etc., R., 1936.
- Havamel.** Billmyrt 1939; HAVAMAL.
- HAVANA. TB-La-S9M (Wash. 1937); etc.
- HAVERHILL. TB-La-R1L (Salb. 1938); etc.
- *HAWAII. TB (Salb.); R., 1937.
- Hawanah.** A.I.S. Check List 265. 1939; HAWANNAH.
- HAWANNAH. IB-La-Y3M (G & K 1927); etc., **Hawanah.**
- HAZEL GALLAGHER. (Gage 1940); Gage 1940; etc.
- HEADLINER. (De Forest 1940); De Forest 1940; etc.
- HEART BALM. Etc., Bed I.
- Hearthfire.** National 1940; HEARTH FIRE.
- HEATHER ROSE. TB-M-R7L (Hall-D. N.); R., 1940; (main lines RA-MESSES, DAUNTLESS and JEAN CA-YEUX); $\square$ sl.
- Heavenly Blue. DB-B Boothman 1940.
- HEBE. RC-S2M (Van T.); etc.
- HECTOR. Jap-Sgl-5BL (Waterer 1938); Waterer 1938.
- HEIRLOOM. (Grant 1940); Fair. 1940; etc.
- HELA. (Long-B.R.); etc., $\square$ M.
- HELEN ASTOR. Etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
- HELEN GERTRUDE. Jap-Dbl-M-4RD (Fiske-C. N.); R., 1941.
- HELEN M. RIEDEL. TB-EM-S9D (Riedel-Mead 1940); Callis 1940; etc.
- HELICON. Sib-M-B1M (Spender); etc.
- HELIOTROPE. TB-M-B7D (Tharp 1939); R., 1940; (... $\times$ MADAME X).
- HELLAS. TB-M-S7D (Spender N.) R., 1941; (EVENTYR $\times$ INSPIRATION); $\square$ sl.
- Henri Ribiere.** Tip Top 1940; HENRI RIVIERE.
- HENRI RIVIERE. (Mil. 1927); etc., **Henri Ribiere; Henri Rivieri.**
- Henri Rivieri.** Billmyrt 1939; HENRI RIVIERE.
- Henry's Pink. TB-R7L (Billmyrt); Billmyrt 1939.
- HÉRAULT. TB-M-S4M (Mil. 1937); R., 1940.
- HERBERT OLIVER. Etc., R., 1929.
- Hercules. Jap-Dbl-6BL Huntgn.-R.E. 1940.
- HER GRACE. TB-M-S1L (De Forest 1940); De Forest 1940; etc.
- HERMITAGE. Etc., R., 1928.
- HERON. Sib-B1M (Wal. 1933); Wal. 1933; 1940; Wayman 1936.
- HERSELF. TMB-E-S4L (White-C.G. N.); R., 1940; (Oncobred); $\square$ sl.
- HESPER. TB-La-R4D (Tharp); etc.
- Hesperia. TB-Y9M Dropmore 1940.
- HETEROCHROA. Onc-S9D rev (Grossh. 1928); etc.
- *H. G. Corney. Jap-3 Lovett 1897; 1911; \$.
- H. H. GROFF. Etc. $\square$.
- HIDEYO. IB-E-B1D (Gers. 1934); Gers. 1934; etc., Tab I.
- HIGHBROW. TB-La-Y7M (Groff N.); R., 1941; $\square$.
- HIGH HAT. TB-M-B1M (Wayman N.); R., 1941; $\square$ str. sw.
- HIGHLANDER. (Berry 1941); Berry 1941; R., 1938; etc.
- HIGHLIGHT. Etc., **Hilight.**
- HIGHLY COMMENDED. TB-M-S3L

- (Sturt. N.); R., 1941; (DOROTHY DIETZ × MILDRED PRESBY); H.C., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; □ str. sw.
- *HIGH NOON. (Dan. 1927); etc.
- HIGH NOON. TB-M-Y4D (Cook-F. N.); Bull. A.I.S. 79: 6., 14., 56. Oct. 1940; R., 1941; (SERENITÉ × GOLDEN HIND) □ str.
- HI HO. TB-M-Y6L (Graves N.); R., 1941; (AT DAWNING × GUDRUN).
- HIJIN. IMB-E-B7M (White-C.G. N.); R., 1940; (Oncobred); □ sl.
- HILDEGARDE. TB-VLa-S7L (Gers. N.); R., 1940; (MIDGARD × LIEBSCHEN); Bed I.; □ str. sw. p.
- Hiligh.** LeGron 1940; HIGHLIGHT.
- HILLBILLY. Etc., Tab I.
- HILLCREST. TB-M-Y4L (Wayman N.); R., 1940; (GUDRUN × Seedlg.).
- HINDUSTANI. TB-La-S9L (Gers. N.); R., 1940; (Sass 30-17 × HINDU PRINCESS); □ sl.
- HINODE-SAKURA. Etc., R., 1938.
- Hiryu. Jap-Dbl-6B7D Wada 1940?
- Hiryubeni. Laev-6RM Wada 1935; 1937; 1938.
- Histrioides Lady Beatrice Stanley.** Barr 1939; LADY BEATRICE STANLEY.
- HISTRIOIDES MAJOR. Etc., Nat. Hort. Mag. 12: 2, 175. Apr. 1933 %; Gard. Ill. 62: 453. 14 Sep. 1940 %; etc.
- HOBO. DB-VLa-Y9D (Wmsn. 1934); etc.
- Hokuko. Jap-Dbl-6BM Per. 1940.
- HOLDEN. TB-M-R9M (McKee N.); R., 1940; (CHRISTABEL) × ((RED COMET) × (Helios (Cay.) × JANET BUTLER)); □ sl.
- HOLLYWOOD. Etc., R., 1929.
- HOLY GRAIL. TB-M-W1 (Tobie N.); R., 1940; □ M.
- HOME RUN. TB-EE-S9M (Wayman N.); R., 1941; (HAPPY DAYS × SUNTAN).
- HONEY. (Smith-K. 1941); Fair. 1941; etc., Bull. A.I.S. 73: 66. Apr. 1939.
- HONEY BOY. Etc., R., 1931.
- Honey Chile.** TB-M-Y4D (Tharp); A.I.S. Check List 274. 1939; CHARM GIRL.
- Honeychile.** Bull. A.I.S. 82: 61. July 1941; HONEY CHILE.
- HONEY CHILE. TB-M-S6M (Salb. 1940); Salb. 1940; R., 1940; (COMSTOCK × ALTA CALIFORNIA) × (NARANJA); **Honeychile.**
- HONEY GLOW. TB-M-Y9L (Covert N.); R., 1941; (AMITOLA × JEAN CAYEUX); □ sl.
- HONEY GOLD. TB-M-Y8M (Tobie 1940); Fair. 1940; R., 1939; (JUNALUSKA × MERCEDITA); □.
- HONEY OPAL. (Gers.); etc., □ lo.
- HONEY RUM. TB-La-S6M (Tharp N.); R., 1941; (DAUNTLESS × ALTA CALIFORNIA).
- HONEYSUCKLE ROSE. TB-M-R7L (Tharp 1937); R., 1940; (ZASU × SUSAN BLISS).
- HONOR. TB-La-B1L (Tharp 1940); Tharp 1940; R., 1940; (WAMBLISKA × BALDWIN) × (TITAN × ESPLENDIDO).
- HOOSIER SUNRISE. TB-La-M-R4L (Lap. N.); R., 1940; (ROSY WINGS × FRANK ADAMS) × (RIDING HIGH); □ M.
- HORACE. TB-M-Y4L (Cay. N.); etc.
- Horace Vernet. Eng-B1M Van M. 1937; Constable 1939.
- Horei. Jap-Sgl-3RD Wada 1935; 1937; 1938.
- HOWOKAN. Etc., R., 1938.
- HUAPANGO. TB-M-B1D (Peckham 1942); Peckham 1942; R., 1941; (SAN DIEGO × NIGHTSHADE).
- HUDSON CHOICE. Etc., R., 1931.
- HUGO DE GROOT. Eng-B3M rev etc. *humilis*. Etc., Per. 1940.
- HUNGARICA. DB-E-B (Waldst. & Kit.); etc., **Aphylla Hungarica.**
- HURLEY. (Waterer 1931); etc., **Hurley Waterer.**
- Hurley Waterer.** Russell 1940; HURLEY.
- H. V. Ayers.** Mt. Upton 1940; K. V. AYRES.
- HYLEPHILA. TB-EE-M-S9M (Gage 1940); Gage 1940; etc.
- HYPATIA. IB-E-M-B1M (Cap.); etc., Wayman 1941.
- Hyperian.** Mt. Upton 1940; HYPERION.

- HYPERION.** (Bliss 1921); etc., **Hyperian.**
- ICE CARNIVAL.** TB-M-B1L (Graves N.); R., 1941; (ALBA MONTE × SNOW-KING); □ str.
- ICE MAIDEN.** TB-La-B1L (Tharp 1940); Tharp 1940; R., 1941; (PURISSIMA × SANTA BARBARA).
- Ichibosenri.** Jap-Sgl-6RD Wada 1935; 1937; 1938.
- ICULISMA.** (Cay.).
- ICY BLUE.** TB-E-B1L (National 1940); National 1940; R., 1940; H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; □ M.
- ICY CRISP.** (Baker-S.H.); etc., (MISSOURI) × (W Seedlg. i.e. (SANTA BARBARA × ...)); □.
- IDAHO SKIES.** TB-M-B1M (Tharp N.); R., 1941; (BUECHLEY GIANT × BLUE HILL); □.
- IDEAL.** (Cay.); etc., R., 1923.
- Idzumi-Gawa.** Starker 1940; IZUMI-GAWA.
- ILEANA.** Etc., R., 1936.
- ILE DE FRANCE.** TB-M-S7D (Mil. 1937); R., 1940.
- ILIA.** Sib-MLa-WW (Gers.); etc.
- ILONA.** DB-VLa-S9D (Gers.); etc.
- ILLINOIS.** Etc., R., 1936.
- ILLUMINATOR.** Etc., R., 1928.
- ILSAN.** Etc., R., 1921.
- *ILSE LOUISE.** TB-M-Y9L (Smith-K. N.); R., 1937; etc.
- ILSE LOUISE.** TB-M-W8L (Smith-K. N.); R., 1941; ((ANDANTE × DAUNTLESS) × (NÊNE)) × (ARIANE).
- IMAMURASAKI.** Laev-6BM Wada 1935; 1937; 1938; Chugai 1939.
- IMBODEN.** TB-M-R9M rev (Bommers. 1940); Bommers. 1940; R., 1940; (LENT A. WILLIAMSON × RHEA).
- IMP.** TB-M-S9D (Bun. 1935); etc.
- IMPERATOR.** Etc., R., 1923.
- IMPERIAL BANNER.** TB-La-Y9D (Hardee N.); R., 1940.
- IMPERIALIS.** (Viosca); etc., R., 1932; etc.
- IMPERIAL SUNSET.** TB-LaM-Y4D (Callis N.); R., 1941; □.
- INDIA.** Etc., R., 1930.
- Indiana Chief.** Horton 1940; **INDIAN CHIEF.**
- INDIANA SUNSET.** TB-LaM-R6L (Lap. N.); R., 1941; (ROSY WINGS × FRANK ADAMS) × (RIDING HIGH); □ str.
- INDIAN GOLD.** Etc., R., 1932.
- INDIAN HILLS.** (Grant 1935); Grant Gard. 1935; etc.
- *INDIAN LASS.** TB-EM-S4L (Gers. N.); R., 1936; etc.
- INDIAN NIGHT.** (Pesel N.).
- INDIAN PRINCE.** (Wolfe); etc., □ sl.
- *INDIAN PRINCESS.** TB-EM-R6M (Gers. N.); R., 1936; etc.
- *INDOMITABLE.** Laev-B1D (Anders. N.); R., 1929; (*versicolor* × *virginica*).
- Ingeborny.** Bommers. 1940; **INGEBORG.**
- Ingenier Winssinger.** A.I.S. Check List 283. 1939; **INGENIEUR WINSSINGER.**
- INGENIEUR WINSSINGER.** TB-M-S7D (Den. bef. 1933); Salb. 1933; **Ingenier Winssinger.**
- Innominata aurea.** Cal-Y Gard. Ill. 62: 321. 29 June 1940 %.
- INSPIRATION.** TB-M-S9M (Burgess); etc.
- INTERMEZZO.** TB-MLa-S9D (Tompkins N.); R., 1941; (LOUVOIS × RAMESES) × (GARDEN MAGIC); □ sl.
- INVICTUS.** TB-M-Y4D (Hall-D. N.); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. 1940.
- IOLA.** TB-La-W1 (Sass-H.P.); etc.
- ION.** (Mead); etc. Wayman 1937; etc.
- Ios.** TB (Wal. 1930).
- IOWA GLORY.** TB-M-R4D (Snyder 1941); Snyder 1941; R., 1941; (MELCHIOR × TENEBRAE); □.
- IRAKI.** (Baker-G.P. N.); R., 1939; Yr. Bk., I.S. (E.) 23. 1938; (OCHRACEA CAERULEA × W. R. DYKES).
- Irene.** TB-MLa-S9D (Hend.-W.H. 1934); Billmyrt 1939.
- IRIDESCENCE.** TB-B3L rev (Nes.); etc.
- IRIS BEAUTIFUL.** TB-E-VLa-R1L (Otwell 1930); etc.
- IRMA.** (Van T.); etc., R., 1938.

- IRVING. Etc., R., 1930.
- ISABELLA. Eng-B7L (Van M. 1927); Wal. 1934.
- ISLAND PRINCESS. Jap-Sgl-4BL (Per.); Per. 1940.
- Ismanli. Wayman 1940; ISMALI.
- ISOLA BELLA. TB-M-R7L (Senni N.); R., 1938; (DISTINCTION (Cay.) × Lux).
- ITTA BITTA. Etc., R., 1932.
- IVORY AND GOLD. TB-Y9L (Coe-H.T. N.); etc.
- IVORY QUEEN. (Millik. 1940); Millik. 1940; etc.
- IVORY TINT. TB-M-Y6L (Wayman N.); R., 1941; (Y Seedlg. × CALIFORNIA GOLD).
- JACK. DB-M-S4D (Monroe-Loth N.); R., 1940; (ORANGE QUEEN × INDIAN CHIEF).
- Jacobean. TB (Mur.); A.I.S. Check List 288. 1939; KENILWORTH (Mur.).
- JACOTTE. TB-La-S7L (Gers.); etc.
- Jacqueline Gillot. Kat. 1941; JACQUELINE GUILLOT.
- Jacqueminot. TB-B Smith-C.N. 1919; SPECIOSA.
- J. A. HAYDEN. Jap-Dbl-6 (Weed 1931); Cooley 1932; Starker 1940; Long-J.D. 1940.
- JAMAICA. Etc., □ sl.
- JAMBOREE. TB-M-R7L (Peckham 1942); Peckham 1942; R., 1940; (ETHYLWYNN DUBUAR × ETHELWYNN DUBUAR); □ sl.
- JAMILA. (Gers.); etc., Bed I.
- Jane Neal. TB-S7L Encino 1940; JANE NEALE.
- JANE NEALE. TB-M-R7L (Lap. 1939); Encino 1939; 1940; **Jane Neal**; **Jean Neale**.
- JAN KRUSEMAN. Dut-W4 A.M., Haarlem 1931.
- JANSJE. TB-M-Y4L (Tharp N.); R., 1941; (PURISSIMA × DOLLY MADISON).
- Jan Van Den Gens**. A.I.S. Check List 290. 1939; JAN VAN DEN GHENS.
- JAN VAN DEN GHENS. TB-M-La-Y9D (Dan.); etc., **Jan Van Den Gens**.
- Japonica folis-variegata**. Ev. Wada 1935; 1937; 1938; JAPONICA APHRODITE.
- Japonica Ledgeri**. Simpsons 1940; JAPONICA LEDGER.
- Japonica variegated**. Oakhurst 1940; JAPONICA APHRODITE.
- J. A. SLOTE. DB-La-W6M (Jay 1934); Horton 1940; R., 1940.
- Jasmaina**. Callis 1940; JASMANIA.
- JASPER AGATE. TB-M-R4M (Williams-Mrs. T.A. N.); Bull. A.I.S. 78: 33. July 1940; R., 1941; (JUNALUSKA × CONSORT) × (CHEERIO); □ str.
- JAUNE SUPREME. Span-Y6M (Krel. 1892); etc., Carter 1939; etc.
- JAVA MAID. IB-La-S9D (Dan.); etc., □.
- JAVA SKY. TB-E-M-R4M (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □ sl.
- Jayhawk**. Hillson 1941; JAYHAWK RED.
- JAYHAWK RED. TB-M-R1D (Hillson 1938); R., 1940; **Jayhawk**; □ sl.
- J. B. Stuart**. Mt. Upton 1940; JEB STUART.
- J. D. NIES. (Nies 1934); etc., three generations.
- JEAN CHEVREAU. Etc., R., 1923.
- Jean May Kennedy**. Horton 1940; JEANNETTE MAY KENNEDY.
- Jean Neale**. Long-J.D. 1940; JANE NEALE.
- JEAN, VOILA JEAN. Etc., □.
- JEB STUART. Etc., R., 1932; etc., **J. B. Stuart**; **Jeb Sturat**.
- Jeb Sturat**. Eagle Gard. 1941; JEB STUART.
- JEFFERSON. Etc., □.
- JELLOWAY. (Parker-J.B. 1936); etc.
- Jennie. TB-B3L Field 1940.
- JENNIE DURFEE. TB-E-R1D (Bommers. N.); R., 1941; (SIR MICHAEL × TENAYA); □ ho.
- JENNY. IB-B1L (Ugr.); etc.
- JESSIE GALBRAITH MORRIS. TB-M-R4D (Hend.-W.H. 1935); Billmyrt 1939; (GLOWING EMBERS × ...).
- J. F. REIDY. TB-M-S7D Etc.
- JICARILLA. (Gers.); etc., (LONE STAR) × (U2; BRUNO × SHERBERT); □ sl.

- JILLIAN MEYER. TB-La-R9D Etc.
- JIMMIE MORAN. TB-M-R7D (Bommers. N.); R., 1941; (GRACE STURTEVANT × KLAMATH).
- JINEEN. TB-M-B1M (Reibold-Mrs. N.); R., 1940; (SOUV. DE MME. GAUDICHAU × SANTA BARBARA).
- JINGO. TB-M-W8D rev (Tharp 1941); R., 1941; (JEAN HARRIETT) × (CAROLINA ROSE × MADAM X).
- JOANDRA. TB-M-W8D (Gers. 1935); etc.; R., 1930; etc.; \$.
- JOAN LAY. (Chad.); etc., A.M., R. H.S. 1941; Yr. Bk., I.S. (E.) 21. 1941; □.
- JOHN DUCKER. Eng-W8D (Homan bef. 1928); Stewart 1929; Wal. 1934; etc.
- JOHN R. ROGERS. TB-M-B3M (Bommers. N.); R., 1941; (PERSIA × ROSE DOMINION).
- JOMAR. TB-M-Y5D rev (McKee N.); R., 1941; (No. 3850 × CHOSEN); □.
- JORDANA. Etc., R., 1936.
- JOSEPH. TB-M-Y8D (Bommers. N.); R., 1941; (LORELEY × LUX).
- JOSEPH ROBIDOUX. TB-La-R3D (Callis 1937); etc.
- JOSIAH E. FERNALD. TB-M-Y4L (Graves N.); R., 1941; (GUDRUN × MERRIMACK); □ sl.
- Jounior.** Bommers. 1941; JUNIOR.
- JOVE. (Hellings N.).
- JOY. TB-M-R4M (Carp.-C. N.); R., 1941; (ESTEREL × GOLDEN FLARE); □.
- J. S. DIJT. Etc., R., 1939; etc., **reticulata** var. **J. C. Dyt.**
- JUANA MARIE. TB-E-S4L (De Forest N.); R., 1940; (SALAR × FAR WEST).
- JUAN BANDINI. Etc., (Seedlg. × Seedlg.).
- JUBA. (Cay.); etc., R., 1933.
- JUBILANT. TB-La-S9D (Berry 1934); etc.
- Julia Harlowe.** LeGron 1940; JULIA MARLOWE.
- JULIA WAREHAM. TB-MLa-B3D (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*).
- JUMA. TB-MLa-B7D (Gers. 1935); R., 1929; etc.; \$.
- JUNE CRYSTAL. TB?-W1 (Pesel); A.M., R.H.S. 1941; Yr. Bk., I.S. (E.) 21. 1941.
- JUNE DELIGHT. (Tobie 1938); Tobie 1938; etc.
- JUNE JEWEL. (Home. 1935); etc., Billmyrt 1939; etc., **June Jewell.**
- June Jewell.** Billmyrt 1939; JUNE JEWEL.
- JUNGFAU. TB-W3 Etc., Bide 1940.
- JUNGLE GINGER. TB-M-R4M (Groff N.); R., 1941; □ sl.
- Junilaska.** Oakhurst 1941; JUNALUSKA.
- JUNIOR. TB-M-Y6M (Bommers. 1940); Bommers. 1940; R., 1940; (MOUNT ROYAL × Helios (Cay.)), **Jounior.**
- Jupiter. Jap-Sgl-4S1L Waterer 1938.
- KALHICO. Etc., R., 1932.
- KALIMERA. Etc., □.
- KALINGA. Etc., □.
- KANSAS BOUQUET. TB-M-S7L (Hillson 1940); Hillson 1940; R., 1940; □ p.
- KANSAS INGLESIDE. TB-La-M-R7M (Hillson 1939); R., 1940; (fr. Seedlgs. of KING TUT × EL TOVAR); □ sl.
- KANSASSUNRISE. TB-M-S6M (Hillson 1940); Hillson 1940; Whiting 1940; R., 1940; (KING TUT × KING MIDAS); □ sl.
- KARA DAGH. TB-La-M-S4L (Baker-G.P. 1931); etc., **Karadagh; Karagdah.**
- Karagdah.** Nes. 1935; KARA DAGH.
- KAROMENSIS. Sib-MLa-B3D rev (Gers.); etc.
- kasruana.** One. Hoocker 1939; KASRUWANA.
- KASUGANO. Jap-Dbl-4 Etc.; Pudor 1941.
- KATE. TB-M-B8M (Bommers. 1940); Bommers. 1940; R., 1940; (JACQUELINE GUILLOT × MIDWEST).
- KATE SPEAKE PENNY. TB-M-B1M (Cahoon N.); R., 1940; (CALIFORNIA BLUE × B Seedlg.); □ M.
- KATE WARREN. Etc., Bed I.
- KATHARINE LARMON. TB-M-S4L (Graves N.); R., 1941; (JEAN CAYEUX × SUMMER TAN).

- KATHERINE GAGE. TB-MLa-B9D (Gage 1941); Gage 1941; R., 1941; (DOROTHY DIETZ × SIR MICHAEL).
Katherine McFarlane. Mt. Upton 1940; KATHARINE MCFARLAND.
 KATHLEEN FETHERSTON. TB-S9D (Saun.-W.E.); etc.
 KATHRYN CURTISS. TB-La-R7L (Wern. N.); R., 1940; (fr. Wern. Seedlgs. fr. APHRODITE and other pink var.).
 KATISHA. TB-La-S9L (Hall 1933); etc.
 KEDESHKA. TB-M-S9M (Wmsn.-Gers. 1933); etc.; R., 1931; etc.; \$.
 *Keizerin. Eng. Barr 1877; \$.
 *KEMBYO. Sib-E-B7M (Gers. N.); R., 1933; etc.
 KENILWORTH. TB-EM-S5M (Mur. 1932); etc., **Jacobean; Old Tapestry.**
 *Kenko. Jap. Barr 1898; \$.
 KENNETH. Etc., R., 1939.
Kenza. TB KENYA.
 *KERULA. TB-M-R7M (Gers. N.); R., 1933; etc.
 KHALED. Sib-MLa-B3D (Gers.); etc.
 KHURSHID. TB-VLa-Y4L (Baker-G.P. 1938); etc.
 KIDDIE. Etc., R., 1933.
 KI-KO-TO. Jap-Dbl-5BM (Barber 1939); Hoodacres 1939.
 Kikuno-shitatsuyu. Jap-Dbl-1WW Wada 1935; 1937; 1938.
 KILLINEY. (Long-B.R.); etc., (GARGANTUE × GABRIEL) × (Seedlg. 25/30/2; i.e. ((MRS. VALERIE WEST) × (MME. CECILE BOUSCANT × MOONLIGHT))).
 KILSOQUAH. TB-La-S9D (Richer 1932); etc.
 KING JUNIOR. IB-M-Re-B3M Etc., **Aut. King Jr.**; □ sl.
 KING NOTTOC. TB-M-W5M (Davis 1936); etc.
King of the Blues. Span-B1M Etc., Blue King; etc.
King of the Irises. Russell 1940; IRIS KING.
 KING OF THE WHITES. Span-WW (Homan); Krel. 1906; etc.; Homan-H. 1940.
 KING'S RANSOM. (Millik. 1940); Millik. 1940; etc.
 KIN LEE. Jap-Dbl-5RM (Barber 1939); Hoodacres 1939; etc.
 Kinsei. Jap-Sgl-3RD Wada 1935; 1937; 1938.
 Kinsen-no-Shirabe. Jap-Dbl-6RD Wada 1935; 1937; 1938.
 *KIRDYAGA. TB-M-S7D (Gers. 1935); etc.; R., 1929; etc.
 Kisei. Jap-Dbl-6RD Wada 1935; 1937; 1938.
 Kisooiwake. Jap-Dbl-3RM Wada 1935; 1937; 1938.
 KITTANNING. TB-La-R9D (Hall 1937); etc.
 ●KITTY REUTHE. TB-W2 (Ware 1899); etc.
 KLAMATH. Etc., R., 1930.
 KLONDYKE GOLD. TB-M-Y4D (Kirk.-Williams 1941); Vestal 1941; R., 1941; (MARVELOUS × ...); □.
 KNIGHT GALLANT. (Gers. 1941); Callis 1941; etc.
 KOBE. Jap-Dbl-5 (Vilm. 1910); Vilm. 1928; etc., J.S.N.H.F. 28: 262. etc., Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934.
Koh-i-noor. Eng-W8D; JOHN DUCKER. Kohyo-Barelight. Jap-6 (Chaut. 1932); Chaut. 1932; **Kokyo-Barelight.**
 Kojo. Jap-Dbl-1WW Wada 1935; 1937; 1938; Barr 1940.
 *Kojo-no-tsuki (Moon Reflected on the Lake). Jap.
 Kokinryu. Jap-Sgl-3RM Wada 1935; 1937; 1938.
Kokio-Hare. Jap. Chivers; *Kohio-Hare.
 Kokon-no-Tama. Jap-Dbl-1R Wada 1935; 1937; 1938.
Koko-No-Iro. Pudor 1941; Kōki-No-Iro KOTAKA.
 Kokuryo-nishiki. Laev-7B8 Wada 1935; 1937; 1938.
Kokyo-Barelight. A.I.S.' Check List 309. 1939; Kohyo-Barelight.
 Koma-no-tategami. Jap-Dbl-6B7D Wada 1940?
 KOOTENAY. Etc., R., 1930.
 *Korin. Jap-Dbl Barr 1899; \$.

- KOROH0. Jap-Dbl-1W (Shuho-en bet. 1923-1930); Yok. 1937; R., 1939.
- KOROLKOWI VIOLACEA. Etc., Constable 1939; etc.
- KORUS. TB-M-B3L (Per. 1923); etc., Per. 1940.
- Koto-no-shirabe. Jap-Sgl-1WW Wada 1935; 1937; 1938.
- Koyo. Jap-Dbl-6RD Wada 1935; 1937; 1938.
- KRASNIE PLOSHAD. Etc., □.
- "Krisham." Ens. Gard. & For. 1: 326. 5 Sep. 1888; native name for *I. ensata*.
- KRUSHID. (Dykes-K. 1930); etc.
- Kumo-No-Ibo.** Jap-Dbl-3B Wing; Wayside 1940; Kumo-No-Obi.
- K. V. Ayers.** Ashley 1941; K. V. AYRES.
- KYODAISAN. Jap-Dbl-3 (Yok.); etc., **Kyodosan.**
- Kyodosan.** Starker 1938; 1940; KYODAISAN.
- LA BAHIA. Etc., R., 1939.
- LA BEATA. Etc., (Seedlg. × Seedlg.).
- LA BELLA. (Pesel); etc., □ sl.
- LAC LEMAN. Etc., R., 1930.
- lactea chinensis. Sib? Wada 1935; 1937; 1938; *I. ensata*?
- LADDIE BOY. Etc., R., 1930.
- LADY BEATRICE STANLEY. Ret-B2L etc., Barr 1939; etc.
- LADYBIRD. Sib-B1M (Wal. 1940); Wal. 1940.
- LADY DAINTY. TB-M-W4 (Hillson 1938); R., 1940; (PURISSIMA × ORIANA) × (LOS ANGELES × WAMBLISKA); **Silvertone** (Hillson 1938); □ p.
- LADY DAPHNE. TB-M-R4M (Tobie N.); R., 1939; (EROS × ...); □ sl.
- LADY DERBY. (Van Bugge. 1939); Homan-H. 1939; R., 1939; etc.
- Lady Fair.** (Wash.); Bull. A.I.S. 82: 13. July 1941; LEILANT.
- LADY GRACE. TB-EM-W4 (Loth. N.); R., 1940; (PURISSIMA × EREBUS).
- LADY GREY. Jap-Dbl-2BL (Prichard 1939); Prichard 1939.
- LADY IDA MAY. (Callis 1940); Callis 1940; etc.
- LADYLUCK. Etc., R., 1930.
- LADY MOORE. (Elder.); etc., R., 1939.
- LADY NAOMI. TB-M-W2 rev (Fay 1941); Kellogg-W.M. 1941; R., 1940; (VIOLET CROWN × SHINING WATERS); □ sl.
- *LADY PETO. (G. & A. N.); etc.
- *LADY PONSONBY. (G. & A. N.); etc.
- LAEVIGATA ATROPURPUREA
Laev-B7D Wada 1935; 1937; 1938; Per. 1940; (form fr. Manchuria); **laevigata grandiflora atropurpurea.**
- laevigata grandiflora atropurpurea.**
Wada 1935; 1937; 1938; LAEVIGATA ATROPURPUREA.
- LAEVIGATA SEMPERFLORENS.
Laev-Re-B Per. 1919; Chugai 1932; 1939; Wada 1935; 1937; 1938; Starker 1938; 1939; Ladhams 1940; **Semper-florens.**
- LAEVIGATA VARIEGATA. Laev-B Van T. 1916; Old Farm 1927; Wada 1935; 1937; 1938; Per. 1940.
- LAFITTE. Etc., R., 1932.
- LA FLORELLE. TB-MLa-W8M (Dan.); etc., □.
- LAGOS. TB-MLa-Y5L (Pilk.); etc.
- LA GRANDESSE. Eng-W Grull. 1907; Blom. 1937.
- LAKE HURON. TB-MLa-B1M (Sass-J. N.); R., 1941; (SIR TURQUINE) × (BLUE MONARCH × ...); □ sl.
- LAKE LOUISE. TB-M-B1L (Groff N.); R., 1941; □.
- *L'ALLEGRO. TB-M-R9M (Gers.); etc.
- L'ALLEGRO. TB-MLa-S6D (Gers. N.); R., 1940; (Sass R Seedlg. No. 30-17) × (M.A. PORTER × TENEBRAE); □ sw.
- LA LOMITA. TB-M-R4L (De Forest N.); R., 1941; (HER GRACE × FAR WEST); □ sl.
- LA LORRAINE. (Ayres 1940); Schreiner 1940; etc., (CHEERIO × K. V. AYRES) × ((K. V. AYRES) × ((R Seedlg. fr. RICARDI × PERSIA) × (Y Seedlg.))).
- LAMPLIGHTER. TB-M-Y9M (Groff N.); R., 1941; □ sl.
- LA NANCE. TB-M-S7M (White-A.

- N.); R., 1941; (LENT A. WILLIAMSON) × (NANCY ORNE × ...); □.
- LANCASTER. TB-M-La-R4L (Cook 1940); Long. 1940; Bull. A.I.S. 78: 53. July 1940%; R., 1940; (Seedlg. × E. B. WILLIAMSON); Bull. A.I.S. 78: 53. July 1940%; H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; □.
- Landscape at Dawn. Jap-Dbl-6BM Per. 1940.
- *LANDSDOWNE. TB (Sheets); etc.
- LANGUEDOC. TB-M-RIM (Mil. 1937); R., 1940; □.
- LANTERN. Etc., □.
- LANTERN GLOW. (Wash. 1939); etc., R., 1939.
- LA NUIT. Span-B3D (Barr 1908); etc.
- *La Nuit. Span-B1D (Homan).
- LAOTIEN. (Cay.).
- LAO TSZE. Jap-Dbl-5BM (Barber 1939); Hoodaeres 1939.
- LA PENSLA. Etc., (LORD OF JUNE × INGBORG).
- L'ARDOISIÈRE. IB-MLa-B3M (Verd. 1903); Vilm. 1903; 1937; 1938; etc.
- *Lasandra. Jap-Sgl Barr 1889; \$.
- LASSIE. IB-La-W8L (Gers.); etc.
- LAST POST. TB-M-B1D (Groff N.); R., 1941; □.
- LA TAJANA. Etc., R., 1939.
- LATE NEWS. TB-Re-B7M (Maples 1940); Maples 1940; R., 1940; (CARDINAL × AUTUMN KING); □ sw.
- LATE SUN. TB-La-Y4D (De Forest 1940); De Forest 1940; etc.
- LAURA HUTCHESON. IB-M-Re-B3D (Sass.-H.P.-Hill-H.M. 1933); etc., **L. Hutcheson**.
- LAURATE. Etc., □.
- LAURENCE ADAMS. TB-MLa-Y4M (Carruth N.); R., 1941; (Y Seedlg. × ROSY WINGS); □ sl.
- LAURENTIA. Etc., R., 1932.
- LAVALIA. TB-M-R3M (Daniels N.); R., 1941; □ sl.
- LAVENDER AND OLD LACE. TB-M-SIL (National 1940); National 1940; R., 1940; □ sl.
- Lavender And Old Lace. TB-M-W2 (Hendl.-W.H. 1935); Horton 1940.
- LAVENDER JOY. TB-La-B7L (Lewis-H. N.); R., 1940; □ str.
- L. Avenir**. Bommers. 1940; AVENIR.
- LA VIERGE. (Cay.); etc., R., 1932.
- LAZICA TIBERIAS. Etc., R., 1939.
- LEADING LADY. TB-M-W4 (Wayman N.); R., 1940; (GUDRUN × W Seedlg.).
- LEAL. Etc., □.
- LEANDER. Span-Y4D (Homan); Wal. 1898; etc., Homan-H. 1940.
- LE COQ. Etc., □ str.
- Leda**. TB-B3M Per. 1923; SALVATORI.
- Le Fevre**. Bull. A.I.S. 82: 62. July 1941; NED LEFEVRE.
- LEICHTLINI. Etc., R., 1936.
- LEILANI. TB-M-R4L (Wash. N.); R., 1941; (prob. COPPER CRYSTAL × MELITZA); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941; **Lady Fair**; □.
- LEMON DARLING. DB-E-Y4L (Ouden 1933); etc., **Lemon Parting**.
- LEMON GIANT. Etc., R., 1939.
- LEMONIAS. Etc., (*pumila* × ...).
- Lemon Parting**. DB-E-Y Bees 1940; LEMON DARLING.
- LENAPE. Etc., □ sl.
- Lenschnee**. Linwood 1940; LENZSCHNEE.
- Lentz Schnee**. Houdy. 1941; LENZSCHNEE.
- *LEOCRATES. TB-EM-R3M (Gers. N.); etc.
- LEONARDO. Etc., □.
- Leonardo De Vinci**. Billmyrt 1939; LEONARD DE VINCI.
- Leone Tremance**. Bommers. 1941; LEONE TRENANCE.
- Leotitia Michaud**. Kat. 1941; SOUV. DE LOETITIA MICHAUD.
- LE PRINTEMPS. Etc., R., 1930.
- LEREMA. Etc., R., 1926.
- LE REVE. (Per.); etc., R., 1923.
- LESLIE CRAWFORD. TB-EM-R1L (Gers. N.); R., 1941; (WACONDA) × (BRUNO × IMPRESSARIO); □ sl.
- LEVIATHAN. Span-Y4M (Bijvoet 1919); Bijvoet 1919; Van W. 1931;

- Van Z. 1938; Homan-H. 1940; Jeff-eries 1940.
- Lewis Trobridge.** Kat. 1941; LEWIS TROWBRIDGE.
- L. Hutcheson.** Horton 1940; LAURA HUTCHESON.
- LICTOR.** Etc., □.
- Lieut. Charagnac.** Bommers. 1940; LIEUTENANT DE CHAVAGNAC.
- Lieut. d Chavagnac.** Horton 1941; LIEUTENANT DE CHAVAGNAC.
- Lieutenant de Chavegnac.** Vaughan 1941; LIEUTENANT DE CHAVAGNAC.
- Light Blue. Eng-B1L Cooley 1932; Kanouse 1941.
- LIGHTHOUSE.** Etc., A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; □ sl.
- LIGHTS OUT.** TB-La-B7D (Groff N.); R., 1941; □.
- LILAC GEM.** TB-M-B7L (Wayman N.); R., 1940; (GUDRUN × W Seedlg.).
- LILAC LADY.** TB-La-R1L (Salb.); etc.
- LILAC SATIN.** Etc., R., 1939.
- LILAC-TIME.** (Wayman); etc.
- LILAC WONDER.** (Elder.); etc., R., 1939.
- LILAMANI.** TB-La-B1D (Sass-J. 1938); etc.; **Lilimani.**
- Lilian Rose.** A.I.S. Check List 328. 1939; ***LILLIAN ROSE.**
- Lilimani.** Cooley 1941; LILAMANI.
- ***LILLIAN ROSE.** TB-M-R7L (Pfeif. 1927); Pfeif. 1927; **Lilian Rose**; \$.
- LILLIAN TOEDT.** Etc., R., 1932.
- LIMOGES.** TB-EM-R6M (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □.
- LINA-MAY.** TB-MLa-S6M (Gers. 1940); Ashley 1940; etc.
- LINDA.** (Gers. 1941); Callis 1941; etc.
- LINGER.** TB-E-La-WW (Loth. N.); R., 1938; etc.
- linnaefolius.* Cal-W8D Boothman 1940; (prob. form of *I. innominata*).
- L'INNOCENCE.** Span-La-WW (Homan); Van Z. 1938; Homan-H. 1940; R., 1940; (diff. fr. KING OF THE WHITES).
- L'Innocence.** Span-WW Grull. 1910; etc., KING OF THE WHITES.
- LINWOOD.** TB-M-B1M (Covert 1935); Linwood 1935; etc.
- ***LIIOLELE.** IB-La-S7L (Gers. N.); R. 1936; etc.
- LITTLE ANITA.** Etc., Tab I.
- LITTLE BOUQUET.** Etc., (H-2-3 × APRICOT); □.
- LITTLE CLEORA.** TB-E-B7L (Gers. 1940); Callis 1940; etc., Bed I.
- LITTLE HONEY.** IB-M-S3L (White-A. N.); R., 1941; (MAUVINE × ...); □.
- LITTLE MASTER.** DB-La-S9L (Gers. N.); R., 1940; (ZITA × PFAUEN-FEDER).
- LITTLE TYKE.** Etc., (BLUESTONE × R IB Seedlg.).
- Lizzie.** (Bommers.); **LIZZIE RICKENBACH.**
- LIZZIE RICKENBACH.** TB-M-Y9M (Bommers. 1940); R., 1940; (MORNING SPLENDOR × CORONATION); **Lizzie** (Bommers.).
- LLUVIA DE ORA.** TB-E-Y7D (De Forest N.); R., 1941; (SALAR × FAR WEST).
- LORD BOSCAWEN.** TB-La-B1M (Graves N.); R., 1940; (SENSATION × GLORIOLE); □ M.
- ***LORD CURZON.** Jap. deG. 1906; \$.
- LORD DONGAN.** TB-M-R3D (Smith-K. 1940); Fair. 1940; etc., H.M., A.I.S. Bull. 1940; Bull. A.I.S. 78: 4. July 1940.
- ***LORD OF THE WEST.**
- LOREL.** Etc., □.
- Loreleii.** Callis 1940; **LORELEY.**
- LORI MAY.** TB-M-S7M (De Forest 1941); De Forest 1941; R., 1941; (LIGHTHOUSE × SALAR); □ sl.
- LORNA DOONE.** Jap-Dbl-6BD (Pri-chard 1939); Priehard 1939.
- LORRAINE.** TB-M-B1M (Mil. 1937); R., 1940.
- LOTUS BLOSSOM.** TB-M-W7 (Tharp N.); R., 1941; (MERRIDEE × NO-WE-TA).
- LOU BARBEY.** TB-M-Y9D (Bommers.

- 1940); R., 1940; (CONQUISTADOR × CORONATION).
- LOUCROFT. Etc., □.
- LOUIS BEL. Etc., **Luis Bel.**
- Louise.** Bommers. 1940; LOUISE FARNER.
- *LOUISE ARBUCKLE. TB (Mag. N.); R., 1925.
- LOUISE BELSTERLING. TB-M-B1M (Benners N.); R., 1940; (RAJPUT × GLORIAE); □.
- LOUISE BONNEWITZ. TB-M-S6L (Bon.-P. 1932); etc.
- LOUISE FARNER. TB-M-R7L (Bommers. 1940); R., 1940; (EDGEWOOD × APHRODITE); **Louise** (Bommers.).
- Louisiana var. Delta. Correvon 1940; (seeds) (strain of Louisiana Irises).
- LOUVOIS. Etc., Bull. A.I.S. 73: 65. Apr. 1939.
- LOVELIGHT. Etc., Bed I.
- Loveliness. Jap-Dbl-5BM (Kemp 1941); Kemp 1941; (Harmony (Kemp) × ALBOPURPUREA).
- LOVELY DAY. TB-M-W1 (Hillson 1938); R., 1940; (SAN FRANCISCO × WAMBLISKA); **Summer Skies** (Hillson 1938); □ p.
- Lovely Lady. TB-La-S7L (Kat. bef. 1938); (QUAKER LADY × ...).
- LOVELY MARY. TB-La-R1L (Gers.); etc.
- LOVESOME. TB (Douglas-M.E. N.); Bull. A.I.S. 78: 36. July 1940.
- Lt. de Chavignac.** Berry 1941; LIEUTENANT DE CHAVAGNAC.
- *LUCCA. (Senni); etc.
- LUCERNE. (Salb. 1940); Salb. 1940; etc.
- *Lucetta. Jap. Kelway 1890; \$.
- LUCOLENA. TB-M-R4L (Senni N.); R., 1940; (FRIVOLITÉ × MME. CHERI).
- LUCYBELLE. Etc., Bed I.
- LUFT. TB (Baker-G.P. 1929); etc., R., 1929.
- Luis Bel.** Houdy. 1940; LOUIS BEL.
- *L'Unique. Span. (Homan).
- LUTETIA. IB-M-S3M (Cay. 1938); Cay.-R. 1938; etc.
- LYCOTIS MAGNIFICA. (Grossh. 1928); etc.
- Lycotis typica. (Grossh.); etc.
- LYDEN. Ib-La-Y9D Etc., □.
- Lydia. RC-B9M rev (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 281. 1938; (KOROLKOWI CONCOLOR × iberica).
- LYNDON. (Lap. 1940); Horton 1940; etc.
- LYNN LANGFORD. TB-La-S7M (Hall-D. N.); R., 1941; □ sl.
- LYONNAIS. TB-M-S7D (Mil. 1937); R., 1940.
- MABEL CHADBURN. TB-M-Y4D (Chad. N.); F.C.C., R.H.S. & Dykes Medal 1941; Yr. Bk., I.S. (E.) frontispiece., 21. 1941%; Gard. Chron. 3rd Ser. 110: 52. 9 Aug. 1941.
- MABEL TAFT. Etc., R., 1923.
- Madame Chereau.** Callis 1940; MME. CHEREAU.
- Madame Chobaut.** Callis 1940; MME. CHOBAUT.
- Madame de Sevigne.** Callis 1940; MME. DE SEVIGNE.
- MADAME LOUISE AUREAU. Etc., Bull. A.I.S. 73: 65. Apr. 1939; **Mme. Louise Aureau;** etc.
- MADAME MAURICE LASSAILLY. Etc., Bull. A.I.S. 73: 65. Apr. 1939; etc.
- MADELEINE BRUN. (Mil.); etc., Wayman 1941; etc.
- MADRIGAL. TB-M-La-W8D rev (Mur.); etc.
- MAGALI. TB-M-S7L (Cay. 1931); etc.
- Magali. TB-M-R1M (Mil. N.).
- *MAGALIE. TB-M-S3M (Mil. 1930); etc.
- MAGGIE. TB-M-R9D (Bommers. 1940); Bommers. 1940; R., 1940; (FLAMINGO × CORONATION).
- Maggio.** A.I.S. Check List 341. 1939; 9 MAGGIO.
- MAGIC MELODY. TB-La-Y4L (Salb.); etc.
- Magna Carta.** Horton 1938; MAGNA CHARTA.

- MAGNA CHARTA. Etc., **Magna Carta**; □.
- MAGNASON. Etc., □.
- MAGNET. TB-B1L (Steffen); etc.
- Magnetewan.** Ketchum 1941; MAGNETAWAN.
- MAHOGANY GLORY. Jap-Dbl-6RD (Barber 1940); Hoodacres 1940; etc.
- Maid of Astolat.** Kellogg 1940; National 1941; MAID OF ASTOLAT.
- Maid of the Mist. TB-B1D (Billmyrt); Billmyrt 1939.
- MAINE. TB-MLa-S6M (Mil. 1937); R., 1940.
- MAISIE LOWE. Etc., **Maisie Lowe.**
- MAJENICA. TB-M-R4L (Cook 1941); Long. 1941; R., 1941; (((GEO. J. TRIBOLET × DOMINION) × (WINDHAM × ...)) × (MME. CHERI × MORNING SPLENDOR)) × (MME. CHERI × MORNING SPLENDOR)) × (((SUSAN BLISS) × (WINDHAM × ...)) × (sib)) × (RAMESES)); □.
- MAJESTIC ROSE. TB-M-R3D (Wayman N.); R., 1941.
- MAJESTY. Etc., □ p.
- Makiba. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- MALKO-NO-HAMA. Jap-Dbl-2B Chugai 1940.
- MALIBRAN. (Cay. 1938); Cay.-R. 1938; etc.
- MALIBU. Etc., □ sl. pu.
- MALINCHE. (Gers. 1941); Callis 1941; etc.
- MALLARD WING. Vinic-S1M (Nies N.); R., 1940.
- MALVACEA. Sib-R1L (Vilm. 1904); etc., **Malvavea.**
- Malvavea.** A.I.S. Check List 344. 1939; MALVACEA.
- MANDRINO. Etc., □.
- MANZANILLA. (Peckham 1940); Peckham 1940; etc.
- Manzanshigure. Jap-Sgl-E-1RD Wada 1935; 1937; 1938;
- MARALDA. (Gers.); etc., Bed I.
- MARAMOHR. TMB-M-B2M (Miller-W. N.); R., 1940; (WILLIAM MOHR × (WILLIAM MOHR × ...)).
- Maranja.** Bommers. 1940; NARANJA.
- MARGARET. Sib-B1L (Wal. 1933); Wal. 1933; etc., Wayman 1939.
- MARGARET ANNE. Etc., R., 1931.
- MARGARET CALNAN. TB-La-R7D (Lap. N.); etc.
- MARGARET LOUISE. TB-La-S7L (Craigie N.); R., 1940; (CANDLELIGHT × ROSE DOMINION); □.
- MARIA CHAPPEDELAINE. Etc., R., 1932.
- MARIANINA. Etc., □.
- MARIAN LAPHAM. (Lap. 1936); Gage 1936; etc., **Mary Lapham.**
- MARIANNE. TB-M-R1L (Gotts. 1932); Toedt 1932.
- MARIE ANTOINETTE. TB-M-B3M (Smith-K. N.); R., 1941; (MADAME MAURICE LASSAILLY × WABASH).
- Marie Azur.** Gard. Chron. 3rd Ser. 105: 384. 17 June 1939; MARIE-AZUR.
- MARIE LOUISE CAILLAT. Etc., R., 1930.
- MARIETTA. (Cay. 1938); Cay.-R., 1938; etc.
- MARILYNN RICHARDS. Etc., R., 1930; **Marilyn Richards.**
- Marilyn Richards.** Tip Top 1940; MARILYNN RICHARDS.
- MARINELLA. Etc., Bull. A.I.S. 78: 61. July 1940%.
- Marion.** TB-B1M Bull A.I.S. 71: 25. Oct. 1938; MARION MILLET.
- MARJORIE. Etc., R., 1932.
- MARJORIE TINLEY. Etc., R., 1923.
- MARMARGE. Etc., (WILLIAM MARSHALL × MARGER).
- MARNE. TB-M-R7M (Mil. 1937); R., 1940; (SOLFERINO × GERMAINE PERTHUIS).
- Marqueta.** Bull. A.I.S. 75: 50. Dec. 1939; MARQUITA.
- MARQUETTE. (Van Bugge. 1939); etc., R., 1939.
- Marquito.** Doub 1941; MARQUITA.
- MARTHA WHITE. TB-M-La-WW (Hardee N.); R., 1940; (SHASTA) × (VENUS DE MILO Seedlg. × VENUS DE MILO Seedlg.).
- MARVEL. TB-M-R9D (Wayman 1940); Wayman 1940; R., 1940; (MARY ELIZABETH × Seedlg.).

- MARVISTA. Etc., R., 1939.
- MARY DYNES. TB-Ia-R9D (Horton 1935); National 1935; Ashley 1935; Horton 1940.
- Mary E. Nichols.** Kellogg-W.M. 1941; MARY E. NICHOLLS.
- MARY E. NICHOLLS. Etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. 1940; **Mary E. Nichols;** etc.
- MARY F. GIBBS. TB-M-R9D (Wayman 1940); Wayman 1940; R., 1940; (DAUNTLESS $\times$...).
- MARY GEDDES. Etc., Dykes Medal 1936; Bull. A.I.S. 63: 62. Oct. 1936; etc., **Mary Geddis.**
- Mary Geddis.** Bommers. 1940; MARY GEDDES.
- MARY GIBSON. Etc., R., 1923.
- Mary J. Sisney.** National 1940; MARY JANE SISNEY.
- Mary Lapham.** Eagle 1940; MARIAN LAPHAM.
- Mary R. Lyons.** National 1940; MARY RICH LYONS.
- *MARY VERNON. TB-M-B1L (McKee N.); R., 1936; etc.
- MARY VERNON. TB-M-Y9D (McKee N.); R., 1941; (No. 3814 $\times$ JANET BUTLER) $\times$ (CHOSEN); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941.
- MASACCIO. Etc., $\square$.
- Masie Lowe.** National 1940; MAISIE LOWE.
- MASQUERADE. TB-M-Y3M (Peckham N.); R., 1940; (ALCINA $\times$...); $\square$ sl. p.
- Massinet.** National 1940; MASSENET.
- MATANA. TB-VLa-R6D (Gers. 1940); Callis 1940; etc.
- Mathilda Reid.** A.I.S. Check List 354. 1939; MATILDE REID.
- Mati Hari (Nicholas).** Bull. A.I.S. 75: 53. Dec. 1939; MATA HARI (Nic.).
- MATILDE REID. TB-M-Y4D (Guy 1932); etc., **Mathilda Reid; Mathilde Reid.**
- MATOAKA. Etc., $\square$ wis.
- MATSUDA. Jap-Dbl-IRL (Vilm. 1908); Vilm. 1932; etc., Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934.
- Matsu-no-Shitatsuyu. Jap-Dbl-3RD Wada 1935; 1937; 1938.
- MATTERHORN. (Sass-J. 1938); etc., A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
- MATULA. Etc., Bull. A.I.S. 73: 66. Apr. 1939.
- MAUD. (Elder.); etc., R., 1939.
- MAUDE GIBBS. TB-M-WW (Wayman 1940); Wayman 1940; R., 1940; (GUNDRUN $\times$ W Seedlg.).
- MAUVE AMPARO. Etc., $\square$.
- MAUVE LUSTRE. TB-LaM-B7L (Wayman N.); R., 1941.
- MAUVE PRINCESS. TB-M-B7M (Wayman N.); R., 1940; (GOLDLOCKS $\times$ Seedlg.).
- MAUVINA. Etc., R., 1934.
- MAUVISSIMA. Etc., $\square$.
- Mawaru-Tsukihi. Jap-Sgl-3RM Wada 1935; 1937; 1938; **Mawa-u-Tsukihi.**
- Mawa-u-Tsukihi.** Jap. Wada 1935; Mawaru-Tsukihi.
- MAXINE. TB-M-S7M (Hardee N.); R., 1940; (ANNE-MARIE CAYEUX $\times$ DÉPUTÉ NOMBLLOT); $\square$ sl.
- MAX SCHMELING. Etc., R., 1939.
- MAYAGUEZ. (Tobie 1938); Tobie 1938; etc.
- MAY DAY. Etc., Bull. A.I.S. 73: 66. Apr. 1939; etc.
- MAY MUSIC. Etc., Bed I.
- MAY NIGHT. DB-Re-B7D Wass. 1941.
- MAYWOOD. TB-M-S6M (Wayman N.); 1940; (NÈNE $\times$ BROWN BETTY).
- MAZDA. TB-M-B7D (Hud. 1931); etc.
- MEADOW LARK. TB-M-Y5D rev (Tharp 1940); Tharp 1940; R., 1940; (Y Seedlg. $\times$ EUPHONY).
- MEDICI. Etc., $\square$.
- Mediterranne.** Fair. 1940; MEDITERRANEE.
- MEDITERRANEE. (Wareham 1940); 1940; Fair. 1940; etc., **Mediterranne;** $\square$.
- Medium Blue. Eng-B1M (Kanouse 1941).
- MEINE MUTTER. Etc., (*flavissima* $\times$ PUMILA CAERULEA).
- MELANIE. TB-M-S7M (Hillson 1941);

- Hillson 1941; H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- MELCHOIR. Etc., Bull. A.I.S. 73: 67 Apr. 1939; J.R.H. S. 65: 8, 263. Aug. 1940; etc.
- MELISANDE. Sib-B2L (Wal.); Wal. 1940.
- MELISSA. TB-M-S3M (Storer 1935); etc.
- MELITZA. (Nes. 1940); Fair. 1940; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- MELLOWGLOW. TB-M-S7L (Whiting N.); R., 1940; (MIDWEST × FIESTA); □ str.
- MEMENTO. Etc., R., 1930.
- MEMORY LANE. TB-La-Y9D (Groff N.); R., 1941; □.
- MENKAR. Etc., R., 1927.
- *MERA. TB-EM-R7M (Gers. N.); R., 1939; etc.
- Mercedes. TB-W8 Reuthe 1938.
- MERINGUE. (Smith-K. 1940); Fair. 1940; etc.
- MEROPE. Etc., R., 1929.
- MERRY DAY. Etc., □.
- MERRY LASS. Etc., Bed I.
- MESARTIM. Etc., R., 1929.
- METAIRIE. Vinic-MLa-B7L (Nic. Jr. 1933); etc.
- MICHAEL FARNER. TB-E-B1D (Bommers. 1940); Bommers. 1940; R., 1940; (BUTO × MILDRED); **Michael Farmer.**
- Michaline Charraire.** Doub 1941; MICHELINE CHARRAIRE.
- Michel Angelo.** Bommers. 1940; MICHELANGELO.
- Micheline Chairriere.** Sim. 1939; MICHELINE CHARRAIRE.
- Micheline Charriere.** Sim. 1939; MICHELINE CHARRAIRE.
- Michelline Chairraire.** Stoner 1940; MICHELINE CHARRAIRE.
- MIDDAY. (Peckham 1941); Peckham 1941; etc.
- MIDGARD. Etc., R., 1926.
- MIDNIGHT. DB-E-B1D (Berry).
- *MIDNIGHT GLOW. (Salb.); etc.
- MIDNIGHT MIRAGE. TB-M-B1D (Miller-W. N.); R., 1940; (PAULETTE × BD Seedlg.); □ sl. gr.
- Midnight Sky. DB-EE-B7D (National); National 1941.
- MIDWEST GEM. TB-La-S6L (Sass-H.P. 1937); etc.
- MIDWEST GLORY. TB-La-B3D (Thom.-W. N.); etc. (Sass Seedlg. × mixed pollen).
- MILDRED PRESBY. Etc., R., 1921.
- MILDRED WRIGHT. Etc., (MME. CHERIE × DUSK) × ((BRUNO × SHERBERT) × (DAUNTLESS)).
- MILES AWAY. TB-E-R7D (Miles 1932); etc.
- MILLET ROSE. Etc., R., 1939.
- MILSON. TB-M-S9D (Stevens-W.R. N.); R., 1941; (AURELLE × BRUNO) × (CARDINAL).
- Min. Ferd. David.** Horton 1940; MINISTRE FERNAND DAVID.
- MING YELLOW. Etc., A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; etc.
- Minature Flag.** Flower. 1941; DWARF BEARDED.
- Minister Fernand David.** Oakhurst 1940; MINISTRE FERNAND DAVID.
- Ministre Fer. David.** LeGron 1940; MINISTRE FERNAND DAVID.
- MINISTRE FERNAND DAVID. Etc., R., 1930; etc., **Min. Ferd. David;** **Minister Fernand David; Ministre Fer. David.**
- *MINNESOTA. (Fry. 1919); etc.
- Minnetonka.** (Berry); ENCHANTED WATER.
- MINNIE COLQUITT. TB-MLa-W8D (Sass-H.P. N.); R., 1941; □ sl.
- MINNIEFORD. Etc., R., 1932.
- MINNIE MERRILL. (Gers. 1941); Callis 1941; etc.
- Minuet. TB (Pullar N.); Bull. A.I.S. 78: 22. July 1940.
- Mirabel. TB-R9D (Nic. 1931); etc.
- MIRABELLE. TB-M-S9L (Whiting 1941); Whiting 1941; R., 1940; (MATULA × HAPPY DAYS); H.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- MIRACLE. TB-EM-Y4D (Wayman N.); R., 1940; (HAPPY DAYS × STATELAE).

- Mirelle.** Starker 1941; MIREILLE.
Miridia. Jap-Dbl-4 Per. 1940.
- Misa Blue.** National 1938; MISS BLUE or MISTY BLUE.
- MISSANN.** TB-M-S7L (Beck N.); Bull. A.I.S. 79: 56. Oct. 1940.
- MISS ARAVILLA.** TB-La-S9D (Sass-H.P. 1938); etc.
- MISS BISHOP.** TB-La-WW (Sass-J. N.); R., 1941; (TIFFANY × MAID OF ASTOLAT).
- MISS BLUEBEARD.** TB-MLa-B1M (Grant N.); R., 1940; □.
- MISS DODO.** Sib-B1L (Koeh. 1924); etc. Gage 1941; etc.
- MISSION BELL.** TB-M-Y4L (Tharp 1939); Tharp 1939; R., 1940; (WAMBLSKA × GRACE STURTEVANT).
- MISS JOAN.** Etc., □.
- MISS JUNE.** TB-VLa-S7L (Maples N.); R., 1940; (CANDLELIGHT × RAMESES); □.
- MISS MAISIE.** TB-M-Y4D (Hahn N.); R., 1940; (Y Seedlg. × Y Seedlg.); □ str.
- MISS MUFFET.** IMB-E-Y8L (Salb. 1940); Salb. 1940; R., 1940; (large Y Seedlg. fr. DAUNTLESS × W. R. DYKES) × (WILLIAM MOHR × IB-MAC).
- MISSOURI.** Etc., A.M., A.I.S. 1935; Bull. A.I.S. 60: 104. Feb. 1936; Dykes Medal 1937; Bull. A.I.S. 66: 87. Sep. 1937.
- MISSOURI MISS.** TB-M-La-B1L (Maples 1940); Maples 1940; R., 1940; (SANTA BARBARA × VENUS DE MILO); □.
- MISSOURI NIGHT.** Etc., H.M., A.I. S. 1941; Bull. A.I.S. 82: 4. July 1941; etc., □ gr. hya.
- *Miss SYMPHONY.** TB-M-S7L (Gers. N.); R., 1936; etc.
- MIST O'ROSE.** TB-E-S7L (Tharp 1940); Tharp 1940; R., 1940; ((RAJPUT × ALCAZAR) × (AMERIND)) × (ALTA CALIFORNIA).
- MISTY MOON.** TB-M-La-S1L (Tharp N.); R., 1940; (PURISSIMA × KING TUT); □ sl.
- MISTY SKY.** Etc., (W Seedlg. fr. MICHELINE CHARRAIRE) × (DAUNTLESS).
- Mme. Cecile Boucast.** Kat. 1941; MME. CECILE BOUSCANT.
- Mme. Chobout.** Kat. 1941; MME. CHOBOUT.
- MME. HENRI CHEVRIER.** Etc., R., 1930.
- Mme. Louise Aureau.** Horton 1940; Salb. 1941; MADAME LOUIS AUREAU.
- Mme. Lou's Areau.** Kat. 1941; MADAME LOUIS AUREAU.
- *Mme. Schindler.** Jap. Barr 1897; \$.
- Mme. Seronge.** Encino 1940; MADAME SEROUGE.
- Mme. Serough.** LeGron 1940; MADAME SEROUGE.
- *MME. TAHER EL LOSY.** TB (G. & A.).
- *M. Meyer.** Jap. Hilaire 1928.
- MOBY DICK.** TB-M-B7D (Groff N.); R., 1941; □.
- MODESTA.** (Gage 1941); Gage 1941; etc.
- MOKENA.** TB-MLa-R6M (Lap.; Gers. 1937); Horton 1937; etc.
- Monadanok.** A.V.G. 1941; MONADNOCK.
- MONADNOCK.** Etc., Bull. A.I.S. 73: 66. Apr. 1939; **Monadanok**; □ sl.
- MONA LISA.** Etc., R., 1930.
- Monā-No-Taki.** Jap-Dbl-6BM Wing; Wayside 1940.
- mongolica.** Spur. Correvon 1933; 1940; Pearce 1940 (seeds).
- mongolica.** Bowie 1941; ("alpine").
- monoforme.** D-YL Wada 1935; "from Korea."
- monoformis.** Shown by Lady Lawrence, Gard. Ill. 58: 360. 13 June 1931.
- MONSIEUR MILDRED.** (Den. N.); etc., C.M., S.N.H.F. 1931; Bull. S.N. H.F. 6th Ser. 1: 142. Mar. 1934.
- Mont Blanc.** Homan-H. 1940; MONT-BLANC.
- MONTE CRISTO.** TB-La-S9M (Hend.-W.H. 1936); Billmyrt 1939; Horton 1940.
- *MOON MAIDEN.** Etc., R., 1930.
- Moon Mist.** Fair. 1940; FAIRY LUSTRE.
- MOONSET.** TB-M-W1 (Peckham N.); R., 1941; (PARTHENON × PARTHENON) × (ORIANA); □ sl. vio.

- ***MOORISH PRINCE.** TB-MLa-S9D (Gers. N.); R., 1934; etc.
- Morella.** TB-M-Y9M (Senni bef. 1939); (RED DOMINION × Cay. No. 3651); □.
- MORGAN LE FEY.** Etc., □ pu.
- MORI-NO-SHITA:** Laev-6BM Wada 1935; 1937; 1938; Chugai 1939.
- MORIOKA.** Jap-Dbl-6Sl (Vilm. 1912); etc., Bull. S.N.H.F. **6th Ser. 1:** 142. Mar. 1934.
- MORNING CHARM.** (Lap. 1941); Gage 1941; etc.
- MORNING PRIME.** TB-M-R4L (Spender N.); R., 1941; (HELIOS × ALASTOR).
- MORNING SONG.** Etc., Bull. A.I.S. **73:** 66. Apr. 1939.
- MORNING SUN.** TB-M-Y4D (Hahn N.); R., 1940; (HAPPY DAYS × EILAH) × (ALTA CALIFORNIA); □ str.
- MOTHER.** TB-MLa-R6D (Gers.-Watkins 1939); Watkins 1939; etc.
- MOTHER DEAR.** (Gers. 1940); Watkins 1940; etc.
- MOTIF.** Etc., R., 1931.
- MOUCHE D'OR.** (Mooy 1925); etc., R., 1939.
- MOUNTAIN DEW.** TB-MLa-W1 (Graves N.); R., 1941; (Seedlg. 37-22X × SNOWKING); □ str.
- Mountain Skies.** Bull. A.I.S. **78:** 47. July 1940; MOUNTAIN SKY.
- MOUNTAIN SKY.** (Millik. 1941); Millik. 1941; etc., H.M., A.I.S. 1941; Bull. A.I.S. **82:** 4. July 1941; **Mountain Skies.**
- MOUNTAIN SUNSET.** TB-VLa-S9D (Klein.); etc.
- MOUNT CLOUD.** Etc., Bull. A.I.S. **73:** 65. Apr. 1939; **Mt. Cloud;** □.
- Mount Etna.** Maples 1939; 1940; **MT. ETNA.**
- Mount Fell.** Per. 1889; *Mr. FELL.
- Mount Fugi.** Jap-Dbl-1WW (Wada 1936); Wada 1936; 1937; 1938.
- MOUNT RAINIER.** Eng-WW (San-L.W. 1932); etc., **Mount Ranier.**
- Mount Ranier.** A.I.S. Check List 381. 1939; MOUNT RAINIER.
- MOUNT ROYAL.** Etc., R., 1924.
- Mount Vernon.** Bull. A.I.S. **79:** 74. Oct. 1940 %; **MT. VERNON.**
- MOUNT WASHINGTON.** Etc., (SHIN-ING WATERS) × ((NEW ALBION) × (MISS WILLMOTT × SHERBERT)); etc., Bull. A.I.S. **77:** 39. Apr. 1940 %; H.M., A.I.S. 1939; Bull. A.I.S. **73:** 66. Apr. 1939; A.M., A.I.S. 1940; Bull. A.I.S. **78:** 3. July 1940; **Mt. Washington;** □ str.
- ***MOZART.** (1854); etc.
- MOZART.** TB-S5M rev (Cay. 1933); Cay. 1933.
- MRS. CHARLES PEARSON.** Etc., R., 1923.
- ***MRS. ERNEST CANT.** TB (G. & A.).
- MRS. ETHEL GUIBERSON.** Spury4M (Nies N.); R., 1940; (SPURIA AUREA × ...).
- MRS. F. E. COOK.** TB-M-R7L (Hend.-W.H. 1935); Billmyrt 1939.
- MRS. FLORENCE BIGLAND.** (Elder. 1936); etc., R., 1939.
- MRS. GEO. HELM.** TB-E-B1M (Hend.-W.H. 1935); Billmyrt 1939; Horton 1940.
- Mrs. George G. Pollock.** Delete R., 1930.
- ***MRS. G. KOEHLER.** (Koeh. bef. 1922); etc.
- MRS. G. SMITH.** TB-EE-Y2 (Hend.-W.H. 1937); Billmyrt 1939; Horton 1940.
- MRS. HERBERT HOOVER.** Etc., R., 1929.
- MRS. HERMAN GARWOOD.** TB-La-B1L (Bommers. N.); R., 1941; (EL CAPITAN × PINK OPAL).
- MRS. HETTY MATSON.** Etc., R., 1923.
- MRS. H. M. HUDELSON.** (Hud. 1930); etc.
- MRS. H. R. MOORE.** Etc., R., 1932.
- MRS. ILTIS.** Etc., **Mrs. Iltus.**
- MRS. J. LINTON ENGLE.** Etc., □.
- MRS. LILLIAN ROWELL.** TB-M-B3D (Hend.-W.H. 1935); Billmyrt 1939.
- MRS. MARION CRAN.** Etc., **Mu Marion Cran.**
- MRS. MAURICE PRICHARD.** Etc., R., 1932.

MRS. M. MANNING. TB-W9D Per. 1923.

●MRS. NAEGLI. (Fry. 1922); etc., Bon.-G.A. 1940.

MRS. R. S. HEATON. TB-M-B7L (Hend.-W.H. 1935); Billmyrt 1939.

Mrs. S. B. Waters. Horton 1941; Mrs. SILAS WATERS.

MRS. SILAS WATERS. Etc., Bull. A.I.S. 73: 66. Apr. 1939; Mrs. S. B. Waters; etc.

MRS. TERRIL. IB-M-S9M (Black N.); etc.

Mrs. Valeire West. Bommers. 1940; Mrs. VALERIE WEST.

Mrs. Velery West. Mt. Upton 1940; Mrs. VALERIE WEST.

Mrs. V. West. Ketchum 1941; Mrs. VALERIE WEST.

Mrs. W. Jacques. Horton 1940; Doub 1941; Mrs. WILLARD JAKUES.

Mt. Cloud. Bull. A.I.S. 79: 63. Oct. 1940; MOUNT CLOUD.

MT. KATAHDIN. TB-M-B1L (Tobie N.); R., 1941; Finlandia (Tobie).

Mt. Sunset. Doub 1941; MOUNTAIN SUNSET.

MT. VERNON. (Wash. 1941); Fair. 1941; etc., Bull. A.I.S. 79: 74. Oct. 1940 %; Mount Vernon.

MT. WHITNEY. Etc., (*ochroleuca* × ...).

MUCH ADO. TB-M-WW (Graves N.); R., 1941; (GRACE STURTEVANT × GUDRUN); □ sl.

MUGGINS. Etc., (BLUESTONE × ...).

MULBERRY ROSE. TB-La-B7L (Schreiner-R. 1941); Schreiner 1941; R., 1940.

MULETA. Etc., □.

MULTO BONO. TB-M-R1M (Graves N.); R., 1940; (PURISSIMA × GUDRUN); □ sl.

Mu Marion Cran. Bommers. 1940; Mrs. MARION CRAN.

MU-RA-SAKI. Jap-Dbl-7B (Barber 1936); Hoodacres 1936; 1940; etc.

Musono-no-Matsu. Jap-Sgl-1W Wada 1935; 1937; 1938.

Musselmanii. Spur-BSD Ingwersen 1937.

MUSSOLINI. Etc., delete R., 1932.

MUSTAPHA. TMB-E-S9D (White-C.G. N.); R., 1940; (Oncobred); □ sl.

MY BLUE. Sib-B1D Stone-W.C. 1941.

MY HERO. TB-La-R3M (Shippy N.); R., 1940; (ETRUSCAN × BD Seedlg.);

□ pl.

MY MARYLAND. TB-M-S9D (Sheets 1930); etc.

MYOMY. TMB-E-W8L (White-C.G. N.); R., 1941; (Oncobred).

MYRTLE. Etc., R., 1932.

MYRTLE MAY. (Callis 1940); Callis 1940; etc.

MYSTERY OF NIGHT. Etc., □.

MYSTIC MOON. Sib-La-W4L (Gers. N.); etc.

NABOB. Etc., R., 1932.

NADA. Etc., Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.

NADESHA. TB-MLa-B3M (Gers. 1940); Callis 1940; etc.

NAGARA. Etc., Nargara; Niagara.

NAGASAKI. Jap-Sgl-6BM (Vilm. 1906); etc., Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934.

NAHCOTTA Jap-Sgl-6R (Barber 1936); Hoodacres 1936; 1940; R., 1935.

*NALITA. TB-M-B9M (Gers.); etc.

NALITA. TB-La-M-S6D (Gers. N.); R., 1940; (BRUNO × DUSK); □ sl.

Nanakomachi. Jap-Sgl-3 Boehmer No. 21 %.

Nancy Lee. TB-S9D Dropmore 1940.

NARANJA. Etc., Maranja.

Nargara. TB-B3D (Per.); A.I.S. Check List 191. 1929; NAGARA.

NARONDA. Etc., (PRINCESS BEATRICE × ...) × (VIOLACEA GRANDIFLORA).

Narukodori. Jap-Sgl-1WW Wada 1935; 1937; 1938.

*NATALIE. (Baker-G.P.); etc.

Nat. Prosperity. Horton 1940; NATIONAL PROSPERITY.

NAUGHTY MARIETTA. TB-M-S9M (Groff N.); R., 1941; □ sl.

NAUTCH-GIRL. (Harding); etc.

NAVADAW. Etc., (DAWN × NAVAJO).

NAZARENA. Etc., R., 1936.

- NEAR EAST. IMB-E-W8D (White-C.G. 1938); Millik. 1938; etc.
- NECTARINE. (Tobie 1938); Tobie 1938; etc.
- NED LEFEVRE. TB-M-S4M (Lap. N.); R., 1940; (GOLDEN FLARE × LYNDON); **Lefevre**; **Ned Lefevre**; □ sp.
- Ned Le Fevre**. Bull. A.I.S. 82: 35. July 1941; NED LEFEVRE.
- NEGRILLON. TB-M-R6D (Wayman 1940); Wayman 1940; R., 1940; (NÈNE × BROWN BETTY).
- NELL GWYN. TB-M-S6M (Pesel N.); etc., **Nell Gwynn**.
- Nell Gwynne**. A.I.S. Check List 95. 1939; NELL GWYN.
- NELSONI. Delete R., 1932.
- NELSON OF HILLY. (White-C.G. 1941); Bull. A.I.S. 78: 15. July 1940 %; Millik. 1941; etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; etc.
- NEMACOLIN. Etc., (JACQUESIANA × ...) × (MONTOUR).
- NEOLA. Etc., R., 1931.
- Neptunes Daughter**. A.I.S. Check List 396. 1939; NEPTUNE'S DAUGHTER.
- NEPTUNE'S DAUGHTER. (Koeh. 1929); etc., **Neptunes Daughter**.
- NEQUANEE. Etc., R., 1932.
- *Nerissa. Jap. Kelway 1890; S.
- NERO. TB-M-R1L (Wilson-A. N.); R., 1941; F.C.C., Rome 1940; Yr. Bk., I.S. (E.) 63. 1940.
- NESKOWIN. Etc., R., 1932.
- Neu Blue**. Fairmount 1941; NEU BLEU.
- NEVADA. (Tobie 1938); Tobie 1938; etc.
- New Blue. Sib-B1M Salb. 1941.
- NEWTONIA. TB-M-S1L (Donahue); etc., **Newtonio**.
- Newtonio**. Billmyrt 1939; NEWTONIA.
- Niagara**. (Per.); NAGARA.
- NICHOLAS. TB-M-B1M (Bommers. 1940); Bommers. 1940; R., 1940; (JACQUELINE GUILLOT × JULIA MARLOWE).
- NICOLE LASSAILLY. (Cay. 1938); Cay.-R. 1938; etc., Bull. A.I.S. 83: 29. Oct. 1941 %; etc.
- NICOLE LEMOINE. TB-E-WW (Harding 1938); Lemoine 1940; Rev. Hort. 112: 35. 16 Feb. 1940; etc.
- NICOTRIS. Etc., □.
- Niebelungen Bronze. TB Edgewood 1930.
- Nieblungen**. Callis 1940; NIBELUNGEN.
- NIFTY NUGGET. TB-E-M-Y7M (Tharp N.); R., 1941; (GOLDEN FALCON × ALTA CALIFORNIA).
- NIGHTCAP. TB-M-R1D (Groff N.); R., 1941; □.
- *NIGHTINGALE. TB-M-Y4L (Hall-D. N.); R., 1941; (RAMESES × JEAN CAYEUX) × (SALUTATION); □ sl.
- NIGHT THOUGHTS. TB-La-B1D etc.
- NIGHT WATCH. Etc., □.
- NIKITA. IB-M-R1M (Gers. 1940); Ashley 1940; Callis 1941; etc.
- NINA LEVETT. TB?-B9L (Levett); A.M., R.H.S. 1941; Yr. Bk., I.S. (E.) 21. 1941.
- *NINA NAAS. TB-M-Y4M (Groff N.); R., 1937; □.
- NINA NAAS. TB-E-W6M rev (Groff N.); R., 1941; □.
- NIOVA. Sib-EM-W4L (Gers. N.); etc.
- NIVERNAIS. TB-M-B9D (Mil. 1937); R., 1940.
- NOCTURNAL. IB-La-R7D (Grant 1940); Fair. 1940; etc.
- NOEL. (White-C.G. 1940); Millik. 1940; etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
- NOONDAY SKY. TB-E-M-B1L (National 1940); National 1940; R., 1940; □ str.
- Noonday Sun. EB-EE-Y4M (National); National 1941.
- NORMA. Jap-Dbl-6RL (Chi. 1919); etc.
- NORMA GAGE. TB-M-La-R1L (Gage 1933); etc.
- NORTHESK. Etc., R., 1932.
- NORTH STAR. (Wash. 1940); Fair. 1940; etc.
- *NOSTALGIA. TB-M-La-W3L rev (Wareham N.); R. 1939; etc.
- NOSTALGIA. TB-M-W1 (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × trojana); □.

- NOURA. Etc., R., 1931.
- 9 MAGGIO. TB-M-S7M (Senni N.); R., 1937; (VICTOR HUGO × SHERBERT); **Maggio**.
- NUAGE. (Cay.).
- Numa Roumistan. Ketchum 1941; NUMA ROUMESTAN.
- Nuri-garasu. Laev-6R1D Wada 1935; 1937; 1938.
- NUTBROWN MAID. TB-La-S4M (Nes. 1940); Fair. 1940; etc.
- NUTMEG. TB-La-Y9M (Groff N.); R., 1941; □ sl.
- *NYANA. TB-EM-S9M (Gers. N.); R., 1937; etc., □ sl.
- NYLON. TB-La-S7M (Whiting 1940); Whiting 1940; R., 1940; (AMITOLA × SANDALWOOD); □.
- OBERON. (Koeh.); etc., Linwood 1940.
- OBERON. Sib-B1D (Wal. 1933); Wal. 1933; Wayman 1936; 1939; 1940.
- OCEANA. Jap-Dbl-6BD (Kemp 1927); Kemp 1927; 1941; Kellogg 1938; Tip Top 1939.
- Ocharacea. Maples 1940; OCHRACEA CAERULEA.
- Ochroleuca. Bommers. 1940; *I. ochroleuca*.
- OCHROLEUCA INNOCENCE. Spur-WW (Barr 1926); etc., **Ochroleuca Innocence**.
- OCHROLEUCA WAREI. Spur-W (Barr 1924); etc., **Ochroleuca Warei**.
- OCTAVIA. (Dykes); etc., R., 1923.
- OCTOBER BLUE. IB-Re-B1M (Sass-H.P.; Hill-H.M.); etc.
- October Frost. IB-Re-W Swarthmore 1938.
- OCTOBER SUNSET. TB-Re-R9L (Williams-T.A. N.); R., 1941; (Seedlg. 1004 × CHINA MAID).
- OCTOORON. Etc., R., 1923.
- *ODETTE OLIVET. (Nonin); etc., C.M., S.N.H.F.; Bull. S.N.H.F. **6th Ser. 1:** 142. Mar. 1934.
- ODO. TB-M-Y8L (Wilson-A. N.); Yr. Bk., I.S. (E.) 27, 37. 1938; R., 1940; 2nd C.C., Rome 1940; Yr. Bk., I.S. (E.) 63. 1940.
- OJIBWAY. Etc., (Seedlg. × Seedlg.).
- O.K. TB-La-Y1L (Sturt. N.); R., 1940; (DOROTHY DIETZ × HIGH DELIGHT) × (MILDRED PRESBY); H.C., A.I.S. 1940; □ str. sw.
- Oka-no-Kasumi. Jap-Dbl-6RD Wada 1935; 1937; 1938.
- OKLAHOMA CITY. TB-La-Y4L (Sass.-J. N.); R., 1940; (Y Seedlg. × HAPPY DAYS); □.
- OKLAHOMA SUNSET. TB-M-S9D (Grisso 1941); Callis 1941; R., 1940.
- OLATHA. TB-M-B7M (Tharp 1940); Tharp 1940; R., 1940; (EL CAPITAN × DOLLY MADISON) × (BALDWIN).
- OLD BLACK JOE. TB-La-B1D (Hall-D.); etc.
- OLD BOSTON. TB-La-B1D (Donahue); etc.
- OLD PARCHMENT. (Klein. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; □.
- OLD RAGS. Etc., □.
- OLD ROSE. TB-EM-S7D (Salb. 1940); Salb. 1940; R., 1940; (MARQUITA × MONADNOCK) × (DARK KNIGHT).
- OLD SALEM. Etc., □.
- Old Tapestry. TB-EM-S5M (Mur.); KENILWORTH.
- OLD VELVET. Etc., □ ho.
- OLIETT. DB-E-B7D (Fellows N.); R., 1932.
- OLIVE DUN. TB-M-Y1D (Groff N.); R., 1941; □ sl.
- OLIVE WHITE. TB-E-Re-W4 (Sass-H.P. 1932); etc., R., 1931.
- OLIVINE. Etc., □.
- OLLIE. IB-M-R7D (Bloese bef. 1940); Horton 1940.
- OLOMPALI. (De Forest 1940); De Forest 1940; etc.
- OLYMPUS. Etc., R., 1923.
- OMEGA. TB-VLa-W4 (Wash. 1941); Fair. 1941; R., 1940; (WILL O' THE WISP × CATHEDRAL DOME); □ lil.
- *ONATIORA. Jap-Sgl-6B (Gers.); etc.
- Oncobred. Mr. C. G. White's name for his Irises of part Oncocyclus strain.
- ONE LITTLE INDIAN. DB-E-R7D

- (Hillson 1940); Hillson 1940; R., 1940; (ARENARIA × ...).
- ONEONTA. Fulv-M-La-R4D (Wash. N.); R., 1940; (*fulva* × ...) × (R Seedlg.).
- ON PARADE. (Williams-T.A. N.); etc.
- OPAL DAWN. TB-M-S4L (Sturt.); etc., □ sw.
- *OPALESCENT. IB-M-Y9L (Gers. N.); R., 1934; etc.
- OPALINE. Etc., R., 1929.
- OPATA. Etc., □.
- OPENTYDE. TMB-E-S3M (White-C.G. N.); R., 1940; (¼ Onc.).
- OPHIR. TB (Cay. 1930); etc.
- ORANGE AND ROSE. IB-La-S6L (Dan.); etc., □.
- ORANGE BOY. TB-M S6M (Riedel N.); R., 1941; (HYACINTHUS × KING MIDAS); □.
- ORANGE FLAME. TB-M-La-Y9B (Salb. 1940); Salb. 1940; etc.
- ORCAGNA. Etc., □.
- ORCHID. Eng-R7M (Kanouse 1941); Kanouse 1941.
- ORDER OF THE PURPLE. (Ayres 1941); Wayman 1941; etc.
- OREGON BEAUTY. Etc., R., 1930
- OREGON GIANT. Etc., R., 1930.
- OREGONIAN. Jap-Sgl-7B (Barber 1936); Hoodacres 1936; 1940; R., 1935.
- Orelia.** Ketchum 1941; ORILLIA.
- *Oriental. Jap. Farr 1926.
- ORIENTALIS ALBA. Sib-W Chugai 1932; Wada 1937; 1938; **Sanguinea alba**.
- ORIENTALIS ALBA STELLATA. Sib-Dbl-W Wada 1937; 1938; **Sanguinea alba stellata**.
- *Oriflamme. Jap-Sgl-6RM (Barber 1939); Hoodacres 1939.
- Orilla.** National 1940; ORILLIA.
- ORLINDA. (Cay.); Delete R., 1932.
- ORLOFF. TB-La-M-Y8M (Sass 1938); etc.
- ORMACO. IMB-M-S7D (Klein N.); R., 1941; (ORMOHR × AZTEC COPPER); Bull. A.I.S. 82: 54. July 1941; □ sl.
- ORMOHR. Etc., Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940; □ sl.
- ORMONDE. Sib-Vla-B7M (Wal. 1939); etc.
- ORMUZ. Etc., R., 1931.
- OROSAYE. TB-M-Y4D (Spender N.); R., 1941; (GOLDEN HIND) × (DÉPUTÉ NOMBLOT × ...); □ sl.
- ORPHEUS. (Starker); etc., R., 1939.
- Orphilia.** Mt. Upton 1940; OPHELIA.
- *ORTEL. (Cap. 1901); etc.
- ORTISEL. Etc., (Corsaire × DRYADE).
- OSAGE CHIEF. Jap-Dbl-3RM (Barber 1940); Hoodacres 1940; R., 1938.
- OSAMARU-MIYO. Etc., R., 1938.
- *OSCEOLA. (Dun.); etc., **Oseola**.
- OSCEOLA. (Wiesner); etc., **Oseola**.
- Oseola.** Bull. A.I.S. 82: 59. July 1941; OSCEOLA.
- OTTINE. Hex-B1L (Coll. Allen, Palmetto Pk., Ottine, Texas 1935); Allen 1939; etc.
- OUTRIDER. Etc., R., 1931.
- OWEDA. TB-M-B1L (Hardee N.); R., 1940; (fr. B Seedlgs.).
- OXFORD. Etc., □.
- Ox Heart.** A.I.S. Check List 415. 1939; OXHEART.
- OXHEART. TB-M-R7D (Nic. 1934); etc., **Ox Heart**.
- OYEZ. Etc., Bull. A.I.S. 77: 21. Apr. 1940 %; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- PACIFICO. Etc., R., 1932.
- PACTOLIAN. TB-M-Y4D (Kirk-Williams N.); R., 1941; □ sl.
- PAGEANT. TB-M-R1L (Mur. 1935); Orp. 1935; 1936; 1938; etc.
- Palamer.** Billmyrt 1939; PALOMAR.
- *PALCENG. TB-E-B9M (Gers. 1924); R., 1924; etc.
- PALE CORAL. Etc., □.
- PALE HANDS. TB-La-W1 (Wareham); etc., R., 1938.
- PALE MOON. TB-M-Y4L (Wayman 1940); Wayman 1940; R., 1940; (W Seedlg. × LADY PARAMOUNT).
- Palladia Dalmatica.** Bommers. 1940; DALMATICA.
- Pall. Fol. Variegata.** Horton 1940; PAL-LIDA VARIEGATA.

- Pallida Purpurea. IB-M-B7D Per. 1940.
pallida terglowiensis. Ingwersen 1940;
 TRIGLAVII.
- PALOMAR. Etc., Palamer.
- Pal. Var. Alba.** LeGron 1940; ARGENTEA.
- Pal. Var. Leutens.** LeGron 1940; PAL-LIDA VARIEGATA.
- PAMELA. TB-EE-Y4L (Callis N.); R., 1941; (GOLDEN BOW × GAYNELLE); □ jon.
- Pandora. Jap-Dbl-6BL Per. 1940.
- PANOPLY. Etc., R., 1932.
- PANTERA. Etc., R., 1932.
- Pare D Neuilly.** Callis 1940; PARC DE NEUILLY.
- Parisenses.** Bommers. 1940; *I. germanica*.
- PARK AVENUE. TB-M-B3D (Salb. N.); R., 1937.
- PARMA. (Edl. 1930); etc., LeGron 1940.
- PARTHENON. Etc., R., 1928.
- PARTY DRESS. Jap-Dbl-5BM (Barber 1940); Hoodacres 1940; R., 1938.
- PASSACONWAY. TB-M-S6M (Graves N.); R., 1940; (RAMESES × SENSATION); □.
- PATH OF GOLD. DB-EE-Y4D (Hodson N.); R., 1941; (BRIDE × JEAN SIRET); □ str.
- PATRICIA. (Sass-H.P. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- PATRICIA JEAN. TB-M-B7M (Cairy N.); R., 1940; (BALDWIN × ...); □.
- *Patrocle. Jap-Dbl-6 Am. R. & P. 1925.
- PAUL BONNEWITZ. TB-M-Y4L Per. 1940.
- PAUL BRUSH. TB-VIa-B1D (Gers. N.); R., 1941; (GARGANTUE × TENEBRAE).
- PAUL DEFIANT. TB-M-B7D (Groff N.); R., 1941; □.
- PEACOCK. Jap-Sgl-4 (Prichard 1929); Prichard 1929; 1939.
- PEARL-GLO. (Wolfe 1941); A.V.G. 1941; etc., **Pearl Glow**; □.
- PEARL HARBOR. TB-E-B7L (Tharp N.); R., 1941; (EASTER MORN × DOLLY MADISON); □ gr.
- PEARL LUSTRE. Etc., □ str.
- Pearl of Rheingau.** Gard. Chron. 47: 403. 15 June 1935; Barr 1935; RHEINGAUERLE.
- PEARL PRINCESS. TB-M-S7L (Wayman N.); R., 1940; (GUDRUN × Seedlg.).
- PEARL SATIN. TB-M-W7 (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- PEARLY GATES. Cal-S4L (De Forest 1940); De Forest 1940; etc.
- Pearly Pink.** Canad. Hort. 60: 7, 197. July 1937; PEARLY PEAK.
- PEAU ROUGE. Etc., R., 1923.
- PEER GYNT. TB-MLa-W8M (Wash. 1934); Nes. 1934; R., 1933; □.
- PEE-TEE-BEE. TB-M-S4L (Bent 1941); Bent 1941; R., 1941; (CORONATION × RED DOMINION); □.
- PEGGY BABBINGTON. Etc., R., 1928.
- PEITHO. Etc., R., 1931.
- PEMBINA. Etc., R., 1930.
- PENACOOK. TB-MLa-S9M (Graves N.); R., 1941; (DAUNTLESS × RAMESES); □ sl.
- PENELOPE. TB-M-W2 (Fr. Per.); etc.
- *Perfecta. Eng-W2 Ware 1880; \$.
- *Pericles. Jap. Storm. 1910; \$.
- PERSIAN PRINCE. TB-La-Y9D (Sass-H.P. 1941); Sass-J. 1941; R., 1940.
- PERSIAN PRINCESS. TMB-E-S7D (Dean 1933); S. Cal. 1933; 1936.
- PERSIAN ROSE. Etc., □.
- Persia Nubien.** Bull. A.I.S. 79: 58. Oct. 1940; PERSIA (Ayres); NUBIEN (Cay.).
- PERSIMMON. Sib-VIa-B1L (Wal. 1939); etc.
- PERSUASION. TB-M-B1L (Reibold-Mrs. N.); R., 1940; (BLUE DUSK × EASTER MORN); □ p.
- PESHAWAR. Etc., (Hybrid of complex lines DB, Onc. TB); H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
- PETE'S CHOICE. (Tharp 1938); etc.

- PETUNIA. TB-M-S7M (Whiting N.); R., 1940; (FAR WEST × MATULA).
- PEWEE. Etc., **Columbine**.
- Phanange**. Dropmore 1940; PFAUENAUGE.
- PHANTOM. (Tobie 1940); Fair. 1940; R., 1939; etc.
- PHARAOH SETI. Etc., □.
- PHARAON. (Cay. 1938); Cay.-R. 1938; etc.
- PHARILLON. TB-M-B1D (Wal. 1940); Wal. 1940; R., 1930.
- Phénoménal. Jap-3B (Tur.); Tur. 1939.
- PHOEBE. TB-M-La-Y3D (Douglas-G. 1941); Fair. 1941; R., 1940; (JEB STUART × W. Seedlg.); H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; □ sl.
- PICADILLY. TB-M-Y9M (Bun. 1939); Bun. 1939; R., 1940.
- PICADOR. (Mor.); etc. J.R.H.S. 65: 8, 263. Aug. 1940.
- PICARDIE. TB-M-S1D (Mil. 1937); R., 1940.
- Pickanook**. Kellogg 1940; PICKANOCK.
- PICTURESQUE. Etc., Bed I.
- PIECES OF EIGHT. (Lewis-H. 1940); Fair. 1940; etc.
- PIMLICO. TB-La-W8L (Callis); etc.
- PINARD. TB-M-R7D (Peckham N.); R., 1941; (ROSE DOMINION × Self) × (ETHEL PECKHAM).
- PINK ADVANCE. TB-M-R7L (Stevens-W.R. N.); R., 1941; (NINA LEVETT) × (REWA × DÉPUTÉ NOMBLOT); □.
- PINK BEIGE. TB-La-S7L (Eller N.); Bull. A.I.S. 79: 24. Oct. 1940; R., 1941; (GILEAD × prob. JEAN CAYEUX); □ sl.
- PINK GLORY. Etc., R., 1931.
- *PINK GLOW. TB-M-R9D (Kirk. N.); Bull. A.I.S. 37: 32. Oct. 1930; R., 1935; (Seedlg. × CARDINAL); □.
- PINK GLOW. TB-M-R7M (Kirk. 1939); R., 1936; (HERMITAGE × CARDINAL); □ sl.
- PINK LOTUS. Etc., R., 1933.
- PINK MARVEL. (Lap. 1941); Irisdale 1941; etc.
- PINK MOTH. Etc. Bed I.
- Pink Oval**. Canad. Hort. 61: 7, 190. July 1938; PINK OPAL.
- Pink Parisian. TB-M-W8M (Sturt. bef. 1940); Bull. A.I.S. 79: 58. Oct. 1940; shown by Webster.
- PINK RUFFLES. (Smith-K. 1940); Fair. 1940; R., 1939; (NO-WE-TA × EROS); etc.; Bull. A.I.S. 73: 66. Apr. 1939; H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- PINK SEA SHELL. TB-M-R4L (Loomis N.); R., 1940; (SEA SHELL × ...); □ sl.
- PINK VISTA. (Lap. 1940); Gage 1940; etc.
- PINKY. Etc., R., 1930.
- PISA. TB-M-S1L (Senni); etc.
- PITTSBURGH. TB-M-R4M (Wayman N.); R., 1940; (NÈNE × BROWN BETTY).
- PIUTE. TB-M-La-La-R4D (Thom.-N.J.-Thorup 1937); etc.
- PLATINUM BEAUTY. TB-La-S1L (Schreiner-R. 1941); Schreiner 1941; R., 1940; (K. V. AYRES × RAMESSES).
- PLAUDIT. Etc., R., 1935.
- PLAYTHING. TMB-E-M-W6M rev (White C. G.); etc.
- PLENILUNE. TB-M-La-Y4L (Simmons N.); R., 1940; (VENUS DE MILO × JELLOWAY); □.
- Plurabella**. Horton 1940; PLURABELLE.
- POCAHONTAS. TB-M-W8 (Farr 1915); etc.
- *POET PRINCE. TB-EM R3M (Gers. N.); R., 1936; etc.
- POET'S GOLD. TB-EM-Y4M (Kirk.-Williams N.); R., 1941; □ sl.
- Poggenbeeck**. Vaughan 1941; POGGENBEEK.
- POINSETTIA. TB-M-R6D (Wayman N.); R., 1941; (THEME × NÈNE); □ sl.
- Poitou. TB-M-B7D (Mil. 1937).
- POKAGON. Etc., R., 1935.
- POLAR BEAR. TB-M-W1 (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- POLARIS. (Sturt. 1922); etc., R., 1920.
- POLAR SUN. TB-M-La-Y7M (Sim-

- mons N.); R., 1940; (TUSCANY GOLD × JELLOWAY); □.
- POLLY PRIM. (Gers. 1941); Callis 1941; etc.
- POLYCHROME. Etc., □.
- POMONA. Sib-MLa-B7L (Gers.); etc.
- POMPONIOUS. Etc., □.
- Pompous. Jap-Sgl-7RM (Prichard 1939); etc.
- PONGEE. Etc., R., 1930.
- PORCELAIN STIPPLE. TB-M-W2L (Groff N.); R., 1941; □.
- POT O'GOLD. TB-MLa-Y4D (Grant 1941); Fair. 1941; R., 1940; (JELLOWAY × ...).
- PRAESEPAE. Etc., R., 1939.
- PRAIRIE FIRE. TB-M-S7D (Tompkins N.); R., 1941; (RED GLOW × OSSAR) × ((WOTAN × DÉPUTÉ NOBLOT) × (GARDEN MAGIC)).
- PRAIRIE FLOWER. TB-E-M-W4 (Tharp 1940); Tharp 1940; R., 1940; ((RAJPUT × ALCAZAR) × (AMANECER)) × (ARGENTINA).
- PRAIRIE SUNSET. (Sass-H.P. 1940); Sass 1940; etc., A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- PRAXITELE. (Cay. N.).
- PRECIOUS JADE. TB-MLa-W6M rev (Winter 1936); etc.
- PRELUDE. TB-M-S3L (Sturt. N.); R., 1933; etc.; □ sw.
- PREMIER. TB-M-Y3L rev (Millik. 1941); Millik. 1941; R., 1941; ((SWEET ALIBI) × (AURIFERO × GRACE STURTEVANT)) × (CHOSEN); □ sl.
- *PRENDADO. TB-MLa-B9M (Gers.) etc.
- PRESENT. Etc., Bull. A.I.S. 83: 35. Oct. 1941 %; etc.
- Pres. Harding. Jap-Dbl-6B Starker 1940.
- PRESIDENT LEBRUN. Etc., Delete R., 1933.
- PRESQUE ISLE. (Tobie 1938); Tobie 1938; etc.
- PRESTO. (De Forest 1940); De Forest 1940; etc.
- PRETTY PENNY. TB-M-La-S4L (De Forest N.); R., 1941; (JEAN CAYEUX × RAMESES) × (PRAIRIE SUNSET); □ sl.
- PRIDE OF REDLANDS. TB-VLa-S9D (Berry 1936); etc.
- Pride of Yamamoto. Jap-Dbl-6RD Chugai 1929; 1939; 1940.
- PRIM. Etc., □.
- PRINCE AHMED. Etc., □.
- PRINCE ALBERT. Eng-B3M Flor. Cab. 10: 261. Nov. 1842; 1859; etc.
- PRINCE AMBA. TB-VLa-Y4M (National 1936); R., 1936; etc.
- PRINCE HENRY. Span-S9D (Homan 1913); Homan 1913; Gartenf. etc., Homan-H. 1940a.
- PRINCE OF MOROCCO. Etc., □.
- PRINCE OF ORANGE. (Sal. 1853); etc.
- PRINCE OF ORANGE. TB-M-Y7D (Klein. 1940); Cooley 1940; R., 1940; (FAR WEST × NARANJA).
- PRINCE OF WALES. Eng-B9D (Barr 1875); etc.
- PRINCE PEACOCK. Etc., R., 1932.
- *PRINCE SPLENDOR. TB-MLa-B7D (Gers. N.); R., 1936; etc.
- PRINCESS DAGMAR. Eng-W8D (1901); Van T. 1901; etc., Clements 1940.
- PRINCESS MARGARETH. (Elder.); etc., R., 1939.
- PRINCESS MARY. Eng. (Elder.); etc.
- Princess Winonah. Doub 1941; PRINCESS WENONA.
- PRINCE TIKHA. TB-EM-R3D (Meyer-H.R. 1939); etc.
- *Priscilla. Jap-Dbl-4W (Barber 1939); Hoodacres 1939.
- PRISCILLA. IB-M-WW (Whiting N.); R., 1940; (PURISSIMA × BLUE WAVES); □ lo.
- Prismatica Tullahoma. DSib-B1L & B7L & WW (Douglas-G.-1934-Tullahoma, Tenn.); Bull. A.I.S. 79: 28. Oct. 1940.
- PRIVATE SECRETARY. TB-MLa-B1L (Graves N.); R., 1941; (CYRUS THE GREAT × VENUS DE MILO).
- PROCONSUL. TB-Y4D (Cay. N.); etc.
- PROEM. TB-M-S1M (Spender); etc.
- PROFESSEUR MITCHELL. TB-M-R1M (Cay. 1930); etc.
- PROFESSOR GEORGESON. Jap-Sgl-

- 7B (Lovett); Lovett 1897; 1905; 1907; 1911; **Prof. Georgeson.** Smith-G.N. 1932; **PROFESSOR GEORGESON.**
- PROF. SEELIGER.** (Koeh. 1933); etc.
- PROPHÈTE.** Etc., R., 1930.
- PROVENCE.** TB-MLa-S9M (Mil. 1937); R., 1940.
- PROVINCETOWN.** Etc., □.
- Pseudacoms.** Bommers. 1940; *I. pseudacorus.*
- Pseud-acorus.** Sim. 1939; *I. pseudacorus.*
- PSEUDACORUS BASTARDI.** Laev.-YL (Coll.-Yeld); etc.
- PSEUDACORUS CREAM PRIMROSE.** Laev-Y4L (Pearce 1940); Pearce 1940; R., 1940; (*pseudacorus* × ...).
- Pseud. albus.** Kellogg 1940; **PSEUDACORUS ALBA.**
- PUDDIN.** TB-VLa-B3D (Bommers. N.); R., 1941; (BUCHLEY GIANT × CONQUISTADOR).
- PUGET.** Etc., R., 1930.
- PULCHRITUDE.** TB MLa-WW (Tompkins N.); R., 1941; (GLORIOLE × SNOWKING).
- Pum. Hyb. Vava Nana.** Horton 1940; NANA ALBA.
- Pumila Amber.** Bees 1940; AMBER FELLOW.
- PUMILA ATROVIOLACEA.** Etc., **Atroviolatea.**
- Pumila Blue Cheer.** DB-E-B1M Boothman 1940.
- Pumila gigantea.** DB-EE-B7D Webb 1940.
- PURITAN MAID.** Etc., □.
- *PURITY.** (Yeld abt. 1900); etc.
- Purple.** Eng-B8D (Kanouse 1941); Kanouse 1941.
- PURPLE BEAUTY.** Etc., R., 1939.
- PURPLE ENCORE.** TB-M-R3M (Wayman N.); R., 1941.
- PURPLE GLORY.** (Tomalin); etc.
- PURPLE HEIGHTS.** TB-La-B1D etc.
- PURPLE SPIRE.** TB-M-B9D (Wayman N.); R., 1941; (SAN DIEGO × BLACK WINGS); □ sl. sw.
- PURPLUM.** IB-La-R3D (Creamer 1933); etc.
- PURPOODOCK.** TB-La-B9D (Tobie 1937); etc., **Purpooduck.**
- Purpooduck.** Tobie 1941; **PURPOODOCK.**
- PURPUREA PICTA.** Jap-Sgl-7 (Prichard 1939); Prichard 1939.
- *Queen Alexandra.** Span-W3L (Homan); Barr 1908; Grull. 1910.
- *QUEEN OF BEAUTIES.** TB-W2 (Sal. bef. 1859); etc.
- QUEEN OF GAZELLES.** Span-E-B3L rev (Van Meer. 1935); Wakeley 1935; etc.
- Queen of the Blues.** Dut. Homan 1939; BLUE SEA.
- QUEEN OF VIOLETS.** Eng-B7L (Van M. 1936); etc.
- QUEEN VICTORIA.** Eng-VLa-W (Van M. 1937); etc., Constable 1939.
- QUEEN WILHELMINA.** Span-WW (Homan); Van T. 1909; etc., Homan-H. 1940.
- QUERIDA.** Etc., R., 1930.
- QUO VADIS.** (Van Bugge. 1939); etc., R., 1939.
- RADHA.** TB-S3M (Con. N.); R., 1927; etc., **Radhi; Rahi.**
- Radhi.** TB RADHA.
- RADIANT.** Etc., Bull. A.I.S. 77: 28. Apr. 1940 %.
- RADIANT MORN.** TB-La-S9D (Burgess); R., 1936; etc.
- RADIOBEAM.** (Kellogg-W.M. 1940); Kellogg 1940; etc.
- RAEJEAN.** (Whiting 1940); Whiting 1940; etc.
- RAFAGA.** TB-MLa-S1M (Peckham 1942); Peckham 1942; R., 1941; (AMRITA × AMRITA) × (AMRITA × AMRITA); □ sw.
- RAINIER.** TB-EM-WW (Thole N.); R., 1940; (PURISSIMA × GEORGE DAVIDSON); □ sl.
- Raja.** National 1940; **RAJAH.**
- *RAMA.** Etc., R., 1925.
- RAMA.** TB-VLa-S4L (Craigie N.); R., 1940; (CANDLELIGHT × ROSE DOMINION); □ str.
- *RAMILAHs.** Etc.
- Ramses.** Eagle Gard. 1941; **RAMESES.**

- RANCHO. TB-M-R1M (Millik. 1941); Millik. 1941; (MAUNA LOA × DAUNTLESS).
- RANGITIKEI. TB-La-M-R3D (Stevens-W.R. N.); R., 1940; (INSPIRATION × WELLINGTON).
- RASAKURA. Etc., R., 1929; etc., **Rosahuro**.
- RASPBERRY. TM-E-R8M (Mohr-Berry 1934); Oakhurst 1940; R., 1940; (*korolkowi* × ...).
- RATHE PRIMROSE. TM-M-Y4L (Spender N.); R., 1941; (GOLDEN HIND × GOLDEN MADONNA); □ sl.
- REALM. Etc., R., 1929.
- RECESSIONAL. TB-La-R1D (Groff N.); R., 1941.
- RED ACE. TB-La-R7D Etc.
- RED BONNET. Etc., Bull. A.I.S. 73: 66. Apr. 1939; **Red Bonnett**; □.
- Red Bonnett**. National 1940; **RED BONNETT**.
- RED BONSOR. Etc., R., 1939.
- *RED CROSS. (Clev.); etc.
- RED CROSS. TB-M-La-W8D rev (Klein. 1938); etc.
- REDDENGOLD. TB-La-M-Y9M (Kirk-Williams 1941); Vestal 1941; R., 1941; **Golden Pheasant**; □.
- RED DOMINION. Etc., R., 1928
- RED EAGLE. Etc., R., 1939.
- RED EGAN. TB-La-M-R9D (Lipscomb N.); etc., Bronze Medal, I.S.(E.) 1937; 1939; Yr. Bk., I.S.(E.) 26., 29. 1937: 36., 42. 1939; etc., **Red Egon**; □ sl.
- Red Egon**. A.I.S. Check List 458. 1939; **RED EGAN**.
- RED FEATHER. (Gers. 1941); Callis 1941; etc., **Bed I**.
- RED FLASH. TB-M-La-R6D (Maples N.); R., 1940; (... × BALDKNOBBER); □.
- RED GLEAM. TB-La-R9M (Lap. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. 1940; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- RED GLORY. TB-E-R6D (Wayman N.); R., 1941; (RUBEO × R Seedlg.); □ sl.
- REDGLOW. Etc., □ p.
- RED HEAD. TB-M-R6M (Hall-D. N.); R., 1940; (main blood lines **LEGEND**, **NÈNE**, **RAMESES**); □ cl.
- REDHOF. Jap-Dbl-6BD (Barber 1936); Hoodacres 1936; 1940.
- RED IBIS. TB-M-R4M (Groff N.); R., 1941; □ sl.
- RED ICE. TB-M-La-R7M (Tompkins N.); R., 1941; ((**RED RADIANCE** × **GLORIOLE**) × (**ELLA WINCHESTER**)) × (**RED BONNET**); □ ch.
- RED LION. (Salb.); etc.
- RED MANTILLA. TB-M-La-R6M (Gers. N.); R., 1940; (Sass R Seedlg. 30-17) × (GEO. J. TRIBOLET × BRUNO); □ sl.
- REDMAYNE. TB-M-R6M (Stevens-W.R. N.); R., 1941; (**MARESCAL NEY** × **INSPIRATION**); □ sl.
- RED MELODY. IB-M-R4M (Wayman N.); R., 1941; (**NÈNE** × **BROWN BETTY**).
- RED MIDDIE. Etc., R., 1939; **Red Middle**.
- Red Middle**. Horton 1940; **RED MIDDIE**.
- RED POMP. (Lap. 1940); Horton 1940; etc.
- RED QUEEN. TB-M-R9M (Wayman 1940); R., 1940.
- RED RADIANCE. Etc., R., 1931.
- RED RAY. (Lap. 1940); Horton 1940; etc.
- RED ROBIN. TB-M-R6D (Wayman N.); R., 1941.
- RED RUBY. TB-M-R6M (Wayman N.); R., 1941; □.
- RED SAILS. TB-La-R9M (Lap.); etc.
- RED STAR. IB-E-La-R7D (Wettstein); etc.
- REDSTONE. Etc., (**EDGEWOOD**) × ((**LENT. A. WILLIAMSON**) × (**LEDA** × ...)).
- RED SUNSET. TB-M-R6D (Wayman N.); R., 1941; (**RED RADIANCE** × **NÈNE**).
- RED VALOR. TB-La-R7D (Nic. 1939); etc., H.M., A.I.S. 1940; Gold Medal, Rome 1940; Bull. A.I.S. 78: 4., 60. July 1940.
- RED VELVET. TB-La-R6D (Klein. N.); etc.

- Red Velvet.** Wayman 1937; RED VEL-VETEEN.
- RED VELVETEEN.** TB-M-R7D (Wayman 1937); R., 1940; **Red Velvet** (Wayman 1937).
- RED WARRIOR.** TB-MLa-R7D (Parker-J.B.); etc.
- REDWOOD.** TB-La-R4M (Klein.); etc.
- REGENCY ROSE.** TB-M-R7L (Stephen. N.); R., 1940; (GILEAD × RAMESES).
- REGINA.** (Van Bugge. 1939); etc., R., 1939.
- Reijin-no-Koi.** Jap-Dbl-6RM Wada 1935; 1937; 1938.
- RELIANCE.** TB-M-R6D (Wash. N.); R., 1941; □ sl.
- REMEMBRANCE.** TB-M-R7L (Hall-D. N.); R., 1941; (fr. Seedlgs. fr. RAMESES, DAUNTLESS, DOLLY MADISON, MOROCCO ROSE).
- RENA ALDREDGE.** TB-M-W4 (Benness N.); R., 1940.
- Rendell.** Gard. Chron. 3rd Ser. 105: 384. 17 June 1939; ZUNI.
- RENE DAVIS.** Etc., R., 1923.
- REPOSE.** TB-M-S1M (Loth.); etc.
- *RESALADA.** TB-MLa-S9M (Gers. N.); R., 1936; etc.
- RETHA JAY.** Etc., R., 1931.
- reticulata Cambridge Blue.** Ladhams 1940; CANTAB.
- reticulata var. J. C. Dyt.** Gard. Chron. Am. 333. Oct. 1941; J. S. DIRT.
- RETTA.** Etc., R., 1934.
- REVELRY.** TB-La-M-Y4M (Long-B.R. N.); R., 1940; (MOONLIGHT × MME. CECILE BOUSCANT) × (SQUARE HILL); F.C.C., Rome 1940; Yr. Bk. I.S.(E.) 63. 1940; □ sl.
- REVERY.** TB-La-S1M (Tharp 1940); Tharp 1940; R., 1940; (MRS. VALERIE WEST × DÉPUTÉ NOMBLOT).
- REV. S. T. BARTLETT.** Can. Hort. Coun. 1940.
- **RHAETICA.** DB-M-S2M Reuthe 1929; Correvon 1940.
- RHAPSODY.** (Wmsn.); etc., □ sl.
- RHEA SYLVIA.** IB-La-B1L (Whiting N.); R., 1940; □.
- RHEINFELS.** Etc., R., 1931.
- Rheinstraub.** Horton 1940; RHEIN-TRAUBE.
- Rheintoche.** Linwood 1940; RHEIN-TOCHTER.
- RHEINTOCHTER.** Etc., R., 1931; **Rheintoche.**
- RHODES.** Etc., R., 1929.
- RHODON.** Etc., □.
- Rhodos.** Jap-Dbl-5BL Per. 1940.
- RIC.** TB-M-S4M (White-C.G. N.); R., 1940; (COPPER LUSTRE × BROWN BETTY).
- RICARDI ALBA.** Etc., R., 1932.
- RICHARD TAUBER.** Etc., R., 1939.
- RICHELIEU.** Etc., R., 1930.
- RICHWOOD.** TB-M-R6D (Williams-T.A. N.); R., 1941; (CHEERIO × JERRY); □ str.
- RIDEAU.** Etc., R., 1930.
- RIDING HIGH.** (Lap. 1940); Horton 1940; etc.
- RI-KOCHI.** Etc., R., 1923.
- Rimanski.** Gard. Ill. 62: 389. 5 Oct. 1940; RIMOUSKI.
- RIO ORO.** TB-M-S4M (De Forest N.); R., 1940; (SALAR × FAR WEST).
- RIO TINTO.** (Tharp) etc., ((... × SHERBERT) × (SIKH)) × (CROWN PRINCE).
- RIPPLING RYTHM.** TB-La-S9M (Groff N.); R., 1941; □ sl.
- RISING SUN.** (Kirk. 1941); Vestal 1941; etc.
- Rising Sun.** Jap-Dbl-6BM Per. 1940.
- *RIVA.** (Coll.-Fos.); etc.
- RIVOIRE.** DB-E-S5L Per. 1940.
- ROBERT.** Etc., R., 1932.
- ROBINWOOD.** TB-M-S9M (Kirk.-Williams 1941); Vestal 1941; R., 1941; □.
- ROBYN HODE.** Etc., □.
- ROCAMADOUR.** IB-B3 (Coll.-S. France); etc.
- ROCHESTER.** IB-E-R1M (Kat. 1940); Kat. 1940; R., 1940.
- RODIN.** Etc., R., 1930.
- ROI SOLEIL.** TB-Y4M (Cay. N.); Cay. 1939a.
- ROMANCE.** TB-M-S9M (Mur. 1928); etc.
- *Romeo.** TB-B1M Riv. 1929; \$.

- Romeo. DB-E-B9M Starker 1941.
- ROMSEY. TB-M-B1D (Bun. 1939); Bun. 1939; R., 1940.
- RONALD CHESTERFIELD. Jap-Sgl-M-6RD (Fiske-C. N.); R., 1941.
- Rondelay** (White). Bull. A.I.S. 80: 38. Jan. 1941; ROUNDELAY (Berry) or SPRING SECRETARY (White-C.G.).
- ROOKWOOD. Etc., Bull. A.I.S. 73: 66. Apr. 1939; □ sl.
- Rosakuro**. Billmyrt 1939; RASAKURA.
- ROSANNA HOLT. Etc., R., 1931.
- ROSE ACACIA. TB-M-S7M (Covert N.); R., 1941; (OZONE × EROS); □.
- ROSE ALLURE. IB-M-S6D (Wayman N.); R., 1941.
- ROSE AMBER. TB-La-S7M (Whiting N.); R., 1940; (AMITOLA × SANDALWOOD); □.
- ROSE ASH. Etc., R., 1930.
- ROSE ATLANTA. Etc., □.
- ROSE-BRONZE BLEND. TB-VLa-S9M rev (National 1941); National 1941; R., 1941; □ v.str.
- ROSE DOMINION. Etc., R., 1930.
- Rose du Barry**. A.I.S. Check List 470. 1939; ROSE DUBARRY.
- ROSE DUBARRY. Jap-Dbl-3 (Nes. 1933); etc., **Rose du Barry**.
- ROSE HUGH. Jap-Dbl-3RD (Barber 1939); Hoodacres 1939; R., 1938.
- ROSE MAIDEN. TB-M-La-S7M (Roberts N.); R., 1941; (NO-WE-TA × ...); □ str.
- Rosemary**. TB (Sheets); *SAN JUAN.
- ROSE MAUVETTE. Etc., □.
- ROSE NAIAD. Etc., □.
- ROSE OF ENGLAND. TB-M-R7M (Long-B.R. N.); R., 1939; ((sister Seedlg. of IVORY GATE, i.e. (FARANDOLE × GOLDEN VANITY)) × ((Seedlg. 25/30/2, i.e. (MRS. VALERIE WEST)) × (MME. CECILE BOUSCANT × MOONLIGHT))); Bronze Medal, I.S. (E.) June 1939; Gard. Ill. 61: 378-379. 10 June 1939.
- Rose Saltern**. Callis 1940; ROSE SALTERNE.
- *ROSETO. (Gers.); etc. (CECIL MINTURN × CAROLINE E. STRINGER).
- ROSE TOP. TB-La-W8M rev (Sass-H.P. 1941); Schreiner 1941; R., 1940; □ str.
- ROSEWOOD. Etc., R., 1929.
- *ROSY DAWN. TB-VLa-R1L (Craw.); etc.
- ROSY EAST. TB-M-S7L (Gers.); etc., □ sl.
- ROSY FLUSH. Etc., □ p.
- ROSY LASS. TB-M-R9M (Bent 1941); Bent 1941; R., 1941; (ROSY WINGS × JERRY); □.
- ROSY MAPLE. TB-La-S6M (Tharp 1940); Tharp 1940; R., 1940; (INDIAN CHIEF × GLOWING EMBERS) × (RAMESES).
- ROSY WINGS. Etc., Bull. A.I.S. 73: 65. Apr. 1939; etc.
- ROUGE BOUQUET. (Whiting 1941); Whiting 1941; etc.
- ROUGE DRAGON. TB-M-R6D (Spender N.); R., 1941; (GOLDEN HIND × Crimson Seedlg.) × (MORNING HERO).
- ROUSSILLON. TB-M-B3D (Mil. 1937); R., 1940.
- ROWANCROFT PURPLE. Etc., R., 1932.
- Rowena. TB-Y4L Per. 1940.
- ROWENA THORNLEY. Jap-Sgl-6BL (Per. 1940); Per. 1940.
- ROYAL BABY. Etc., Tab I.
- ROYAL BANNER. (Berry 1941); Berry 1941; etc.
- ROYAL CANADIAN. TB-La-R9D (Groff N.); R., 1937.
- ROYAL COACH. Etc., Bull. A.I.S. 73: 66. Apr. 1939; □ sl.
- ROYAL COMMAND. (Hall-D. 1939); Schreiner 1939; R., 1939; etc., Tab I.
- ROYAL DRAGOON. TB-La-R4D (Groff N.); R., 1941; □ sl.
- ROYAL GUEST. TB-M-B1D (Tharp N.); R., 1941; (SENSATION × SWAZI) × (DOLLY MADISON).
- *ROYALIST. TB-MLa-B9D (Gers. N.); R., 1934; etc.
- ROYAL LANCER. TB-M-R4D (Groff N.); R., 1941; □.
- *ROYAL POTENTATE. TB-EM-B7D (Gers. N.); R., 1937; etc.

- ROYAL PRINCE. Etc., R., 1933; (sport of FLAMMENSCHWERT); etc.
- ROYAL RED. TB-M-R9M (Wayman N.); R., 1940; (CAYLUS × NÈNE).
- ROYAL ROVER. Etc., □ lo.
- ROYAL RUTH. Etc., (CANOPUS × ARCHEVEQUE); □.
- ROYAL SPLENDOR. TB-M-R9D (Wayman 1940); Wayman 1940; R., 1940; (ROB ROY × ...) × (NÈNE).
- ROYAL TOGA. Etc., □.
- ROYAL VELVET. (Frechette); etc., R., 1939.
- *ROYAL VINTAGE. TB-MLa-B9D (Gers. N.); R., 1937; etc.
- RUAHINE. TB-M-La-B7M (Stevens-W.R. N?); (ALCAZAR × BALLERINE); A.M., R. H.S. 1939; J.R.H.S. 65: 8, 262. Aug. 1940.
- Rubella. Sib-R1D A.I.S. Check List 475. 1939; CHRYSOGRAPHS RUBELLA.
- Ruben. National 1940; REUBEN.
- RUBIENT. TB-MLa-R9D (Whiting N.); R., 1941; (VALOR × WINNESHEK); □ str.
- RUBY. Eng-R9D (Barr 1898); Barr 1898; etc.
- RUBY GIANT. Jap-Dbl-6R (Wayman 1936); etc.
- RUBY GLOW. TB-EE-R7D (Schreiner-R. 1941); Schreiner 1941; R., 1940; (GRACE STURTEVANT × Graminea).
- RUBY VELVET. TB-M-R6D (Wayman N.); R., 1941.
- Ruddigoro. National 1940; RUDDIGORE.
- RUDDY DAWN. Etc., R., 1932.
- RUFFLED BEAUTY. TB-M-B1L (Wayman N.); R., 1941; □ str. sw.
- RUFFLED DELIGHT. TB-M-La-B1M (Kellogg-W.M. N.); R., 1940; □ str.
- RUISDAEL. Etc., □.
- RUNEMEDE. TB-M-WW (Bun. 1939); Bun. 1939; R., 1940.
- RUSKIN. TB-M-S9D (Wayman N.); R., 1940; (NÈNE × BROWN BETTY).
- RUSSETT. TB-E-Y9D (Bommers. 1941); Bommers. 1941; R., 1940; (NÈNE × PARTHENON).
- RUST. Etc., □.
- RUTHENICA DYKESII. Etc., R., 1939.
- RUTHENICA NANA. Etc., Chugai 1932; Thomson 1932; Hocker 1932; 1938; Wada 1937; 1938; Per. 1940.
- RUTH POLLOCK. Etc., Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; □.
- RYE SUNSHINE. TB-M-Y4L (Graves N.); R., 1940; (AT DAWNING × GUDRUN); □ sl.
- SABLE. Etc., A.M., A.I.S. 1940; Bull. A.I.A. 78: 3. 1940; □.
- SACRAMENTO. Etc., R., 1928; etc., **Scremento**.
- SACRED FLAME. (Pesel N.).
- SAILOR BOY. TB-M-R4M (Wash. N.); R., 1941.
- SAILS ALOFT. TB-M-B1L (Shull 1937); etc., (MORNING SPLENDOR × SOUV. DE MME. GAUDICHAU) × (SOPHRONIA).
- SAINT JOSEPH. TB-La-B3L (Callis 1938); etc.
- SALAR. (De Forest 1940); Schreiner 1940; etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; etc.
- Salerno. TB-M-Y4L (Senni N.); (MME. CECILE BOUSCANT × RAYO DE SOL); □.
- SALEROSA. Etc., R., 1931.
- SALISBURY. TB-M-B1M (Bun. 1939); Bun. 1939; R., 1940.
- SALMON DELIGHT. TB-M-R4L (Bent 1941); Bent 1941; R., 1941; (MIDGARD × ALTA CALIFORNIA); □.
- SALMON SPLENDOR. (Lap. 1941); Schreiner 1941; (No-WE-TA) × (MIDGARD × APHRODITE); □ sl.
- SALMON SPRITE. (Lap.); etc., (No-WE-TA) × (MIDGARD × APHRODITE); etc.
- SALUTE. TB-M-S9L (Sturt.); etc.
- SALVO. TB-M-R7D (Groff N.); R., 1941; □.
- Samba Diouff**. Billmyrt 1939; SAMBA-DIOUF.
- "Sambag". J.R.H.S. 66: 2, 53. Feb. 1941; *I. florentina*.
- SAMOVAR. Etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
- SAMSON. (Cay.); etc., R., 1938.
- SANCIA. TB-E-R7L (Gers. 1935); etc.

- Sandrine. TB-M-R1M (Mil. 1937).
 SANDTONE. TB-M-S1L (Wayman N.); R., 1941.
 Sangatauk. Bull. A.I.S. 82: 4. July 1941; SAUGATUCK.
 Sangrael. Horton 1940; SANGREAL.
 San Greal. Linwood 1939; SANGREAL.
 SANGUA. Etc., □.
 Sanguinea alba. Sib-W Wada 1937; 1938; ORIENTALIS ALBA.
 Sanguinea alba stellata. Sib-Dbl-W Wada 1937; 1938; ORIENTALIS ALBA STELLATA.
 Sanguinea grandiflora. Sib-B Wada 1937; 1938; ORIENTALIS GRANDIFLORA.
 Sanguinea grandiflora alba. Sib-W Wada 1937; 1938; SNOW QUEEN?
 SAN JOAQUIN. TB-M-R7D (Hend.-W.H. 1935); Billmyrt 1939; (GROUSMAN RED × ...).
 Sanoubo. Jap-Dbl-6RD Wada 1935; 1937; 1938.
 SANTA CLAUS. TB-B1M J.R.H.S. 65: 8, 262. Aug. 1940.
 *SAONA. TB-La-R3D (Gers. N.); R., 1929; etc.
 SAPPHIRE. (Dykes 1922); etc., R., 1938.
 SAPPHIRE LAKES. TB-M-B1M (Tharp N.); R., 1941; (BUECHLEY GIANT × BLUE HILL); □.
 SARACINESCO. TB-M-S4L (Senni); etc., **Saracinsco**.
 Saracinsco. A.I.S. Check List 482. 1939; SARACINESCO.
 SARAH BROWN. Etc., R., 1936.
 Sarsina. (Senni N.); not R.; etc.
 Satan. (Kirk. 1930); R., 1929; BLACK WINGS.
 SATAN. (Kirk. 1939); etc., (BLACK WINGS × ...).
 SATELLITE. TB-M-Y4D (Williams-P.J. N.); R., 1941; (GOLDEN HIND × SUNDUST); □.
 Satsukiamagasa. Jap-Dbl-1WW Wada 1935; 1937; 1938.
 Satsuki-Bari. Jap-Dbl-1W Kenwood 1938.
 Satsuma. Jap-Dbl-4BL (Vilm. 1906); C.M., S.N.H.F. 1931; Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934.
 SAUGATUCK. Spur-Y2M (Nies 1941); Oakhurst 1941; R., 1940; (*ochroleuca* × MONSPUR) two generations; H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; **Sangatauk**.
 SAVANNARUM ALBA. Etc., R., 1932.
 SAVANNARUM ROYALI. Etc., R., 1932.
 SAVANT. Etc., R., 1932.
 ●SAVIGNIAN. (Mil. 1908); etc.
 SAVING GRACE. TB-M-R4M (Tharp 1933); R., 1939; (SOLFERINO × SHEKINAH) × (JUBILEE); **Antares** (Tharp 1933); □ sw.
 SAWANNIC. (Gers. 1940); Callis 1940; etc.
 SAXET. TB-EM-S9D (Davis 1936); etc.
 SAXONIA. Etc., □.
 SAXON WARRIOR. TB-La-M-R6M (Stevens-W.R. N.); R., 1940; (INSPIRATION × WELLINGTON) × (MARESCHAL NEY).
 SAZERAC. Fulv-MLa-R7M (Nic. Jr.); etc.
 SCHOONER. TB-M-WW (McDade N.); R., 1940; F.C.C., Rome 1940; Bull. A.I.S. 78: 60. July 1940.
 SCIOA. Etc., (Corsaire × DRYADE).
Scremento. Stoner 1940; SACRAMENTO.
 S. de Vlioger. Salb. 1940; SIMON DE VLEGER.
 SEABISCUIT. TB-La-R4D (Callis 1940); Callis 1940; R., 1939; (RED RADIANCE × RED ROBE); □ ei.
 SEA BLUE. TB-M-B1M (Whiting 1941); Whiting 1941; R., 1940; (MISSOURI × SHINING WATERS); □.
 SEA BREEZE. TB-M-WW (Tobie N.); R., 1940; (YELLOW DAWN × AL-LU-WE); □.
 Sea Crest. Jap-1 Wayman 1931; Vaughan 1941; **Seacrest**.
 SEAGOLD. TB-MLa-Y4D (Burtner N.); R., 1941; (CORONATION × HAPPY DAYS); □ sl.
 ●SEAGULL. (Farr 1922); etc.
 SEA SHELL. TB-M-R4L (Loomis N.); R., 1940; (Plicata × Variegata).
 SECRET GOLD. TB-M-Y4L (Tobie N.); R., 1941; □ p.

- Seiryu. Jap-Dbl-3RM Wada 1935; 1937; 1938.
- SELASSIE. TB-La-B1D (Snow N.); etc.
- SENECIO. Etc., R., 1932.
- Senjaimukyu.** Jap. Wada 1935; Senzaimukyu.
- Senju-no-Kagayaki. Jap-Dbl-1RD (Wada 1937); Wada 1937; 1938.
- *SENTINEL. (Bliss); etc.
- Senzaimukyu. Jap-Dbl-6RD Wada 1935; 1937; 1938; **Senjai-mukyu.**
- Sep. Skies.** LeGron 1940; SEPTEMBER SKIES.
- SEPTEMBER SKIES. Etc., (AUTUMN KING × ...); etc., **Sep. Skies.**
- SEQUIN. Etc., □.
- SEQUOIAH. (Shull 1926); etc.
- Seranade.** Billmyrt 1939; SERENADE.
- Serenita.** Billmyrt 1939; SERENITÉ.
- SERGEANT GERSDORFF. TB-EM-R6D (Gers.); etc.
- SEVERN. TB (Waterer).
- S. Gaudichau.** Long-J.D. 1940; SOUV. DE MME. GAUDICHAU.
- SHADOWY WAKE. TB-La-WW (Groff N.); R., 1941; □.
- SHADOWY WHITE. TB-M-B7L (Pesel N.); R., 1939; (PEACEMAKER × CRUSADER).
- SHAGA-LASKA. (Gers. 1940); Callis 1940; etc.
- Shah Jahan.** Tobie 1940; SHAH JEHAN.
- Shah Jeban.** Bommers. 1940; SHAH JEHAN.
- SHAKOKA. TB-EM-B9M (Gers. 1932); etc.; R., 1929; etc.; \$.
- *SHAMOVAL. Etc., Ashley 1937 (with-drawn 1937 bef. sale); etc.
- *Shangai. Jap. deG. 1906; \$.
- SHANGRI-LA. TB-M-B7L (Lane-B.H. N.); R., 1941; □ sl.
- SHANNOPIN. TB-La-W9M (Pillow 1940); Kellogg 1940; etc.
- SHANRELA. TB-La-R4D (Gers. N.); R., 1940; (WACONDA × D. BREESE JONES).
- SHANUNGA BRONZE. TB-M-S4L (Tobie N.); R., 1941.
- SHARON ROSE. TB-M-R6D (Decker N.); R., 1940; (INDIAN CHIEF × TUSCARORA).
- SHAWANO. TB-La-M-Y9M (Wmsn. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- SHEELAH PERSSE. TB-M-B7D (Hinch. N.); R., 1941; (SAPPHIRE × ...).
- *SHEIK. TB (Baker-G.P.); etc.
- SHEILA. TB-M-S4M (Tharp 1938); Tharp 1938; R., 1939.
- SHEPHERD'S WARNING. Etc., R., 1939.
- SHERABINA. TB-M-La-Y6D (Gers. N.); R., 1937; etc., □ sw.
- Sheratan.** A.I.S. Check List 491. 1939; SHERATON.
- *SHERATON. TB-M-B9M (Bun. 1927); etc.; **Sheratan**; \$.
- SHERIFFA. TMB-E-M-S5D (White-C.G. N.); R., 1941; (Oncobred).
- Shiga-no-Miyako. Jap-Dbl-2B Wada 1935; 1937; 1938.
- *Shigure-yama (Drizzling Shower). Jap-Sgl-5 Chugai 1928; **Shigure-yaya.**
- Shikiten. Jap-Sgl-4 Per. 1940.
- SHILKA. Pard-VLa-R1M (Hansen 1936); S.D.E.P. 1936; Ashley 1939; 1940; Kat. 1940; R., 1940; (fr. seed, coll. Shilka region, E. Siberia; form of *I. dichotoma*); □ M.
- SHIMMERING BLUE. Etc., □ sl.
- SHIMMERING VELVET. (Callis 1940); Callis 1940; etc.
- Shimpi. Jap-Sgl-1WW Wada 1935; 1937; 1938.
- SHINING SUN. TB-La-W4M (Nes. 1940); Fair. 1940; etc.
- SHINING THRU. Etc., (JEAN CAYEUX × Cream Seedlg.) × (RAMESES); □.
- SHINING WATERS. Etc., R., 1932.
- SHIN RAN. Jap-Dbl-5B (Barber 1939); Hoodaeres 1939; etc.
- SHIP AHOY. TB-M-S1M (Groff N.); R., 1941; □ sl.
- Shirwan.** Tip Top 1940; SHIRVAN.
- SHIUNDAI. Laev-B7L Wada 1935; 1937; 1938; Chugai 1939.
- Shodo. Jap-Sgl-2BM Per. 1940.
- Shogum.** Bommers. 1940; SHOGUN.
- SHOOTING STAR. TB-La-Y4M (Groff N.); R., 1941; □.

- SHOWER OF GOLD.** TB-M-Y4M (Hend.-W.H. 1936); Horton 1940a.
- Sibirica Atrosanguinea.** Sib-B7D Ingwersen 1936; prob. *orientalis* hybrid.
- SIBIRICA NANA.** Sib-B7L Per. 1940.
- SIBIRICA NANA ALBA.** Sib-W Per. 1940.
- Sibirica Wisley White.** R.H.S. Seed List 386. 1940; WISLEY WHITE.
- ***SICILIA.** (Senni N.); R., 1938; etc.
- SICILIAN GOLD.** TB-M-Y3M (Burt. N.); Yr. Bk., I.S. (E.) 34. 1939; R., 1941; Bronze Medal, I.S. (E.) 1939; Yr. Bk., I.S. (E.) 42. 1939.
- SICULIANA.** TB-EM-Y4L (Senni N.); R., 1940; (PURISSIMA × FRIVOLITÉ).
- SIENA.** Etc., (MME. DE BEAUMARCHAIS × Mit. Seedlg. 9-17-1); etc.
- SIERRA SNOW.** (Klein.); etc., R., 1938.
- SIGNAL.** TB-E-Y9M (Tharp 1939); Tharp 1939; R., 1940; (GOLD TOP × ZUNI).
- sikkimensis.* Etc., Ingwersen 1937; 1940.
- SILENCE.** (Graves N.); etc.
- SILENT WATERFALL.** Etc., □ M.
- SILKSTONE.** Etc., R., 1939.
- SILVER FROST.** TB-E-M-B1L (Tharp 1933); R., 1940; (LENT A. WILLIAMSON × ...).
- SILVER LUSTRE.** TB-M-La-B1L (Carp.-C. N.); R., 1941; (BLUE TRIUMPH × PRESIDENT PILKINGTON); □ str.
- SILVER MOONLIGHT.** Jap-Dbl-6BM (Per. 1940); Per. 1940.
- ***SILVER SHEEN.** TB-M-B7L (Gers.); etc.
- SILVER SHEEN.** TB-EM-B1L (Loth. N.); R., 1940; (prob. SHINING WATERS × ...).
- SILVER SHELL.** TB-M-R4L (Graves N.); R., 1940; (THEODOLINDA × GRACE STURTEVANT); □ sl.
- SILVER SPRAY.** TB-La-W1 (Miller-W. N.); R., 1940; (Seedlg. × Seedlg.).
- SILVER STARS.** Jap-Sgl-1 (Wal. 1927); Wal. 1927; 1934.
- SILVER SUSIE.** (De Forest 1941); De Forest 1941; etc.
- Silvertone.** Hillson 1938; LADY DAINY
- SILVERY SKY.** Sib-M-B1L (Gers.); etc.
- SILVERY TWILIGHT.** TB-ME-R1L (Schreiner-R. 1941); Schreiner 1941; R., 1940; (RAMESES × sister Seedlg. of EL TOVAR) × ((GUDRUN) × (WAMBLISKA × RAMESES)).
- Simba. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- SIMPLICITY.** (Dykes); etc.
- SINBAD.** Delete R., 1932.
- SINCERITY.** Jap-Dbl-6BM (Prichard 1939); Prichard 1939.
- SINGAPORE.** Etc., R., 1939.
- SINGING WOOD.** TB-M-B3D (Richer 1935); Billmyrt 1939.
- Sintenesii.** Back. 1940; *I. sintenisii*. **sintenisii (Jun.)**; A.I.S. Check List 77. 1939; *sintenisii* (Spur).
- sintenisii*. Spur-B (Janka); etc., **Sintenesii; sintenisii (Jun.)**.
- SIOUX CITY.** TB-M-B7L (Snyder 1938); etc., R., 1938.
- SIR ALFRED.** (Collier 1939); National 1939; etc.
- SIRDAR.** (Per.); etc., R., 1923.
- SIR HOKUS POKUS.** Etc., R., 1939.
- SIR JOHN EATON.** Etc., R., 1932.
- SISTER.** TB-La-R3L (Sturt.); etc.
- SIXTEEN.** TB-M-S9L rev (Richer N.); R., 1940; (CANOPUS) × (MONS. CHABER × SOUV. DE MME. GAUDICHAU); □.
- Skenna.** Sib. Berry 1941; SKEENA.
- SKÖL.** TB-MLa-S1L (Graves N.); R., 1941; (MERRIMACK × SUNOL); □ sl.
- SKY BLUE.** (Elder.); etc.
- SKYBORN.** TB-E-W1 (Decker N.); R., 1940; (LOS ANGELES × EASTER MORN).
- SKY GLORY.** (Gers.); etc., (DISTINCTION (CAY.) × Lap. Pink Seedlg. No. X 13); Bed I.; □ hya.
- Skylane.** A.I.S. Check List 503. 1939; SKYLINE.
- SKYLINE.** Spur-B1L (Wash. 1936); Nes. 1936; etc., **Skylane**.
- S. L. D. Chavagnac.** Horton 1940; LIEUTENANT DE CHAVAGNAC.
- S. L. de Chavagnac.** Horton 1940; LIEUTENANT DE CHAVAGNAC.

- SLUMBER ISLE. TB-M-W8L (Miller-W. N.); R., 1940; (Seedlg. × Seedlg.).
- SMALL FRY. TB-La-R6D (Tharp N.); R., 1941; (KING TUT × GRACE STURTEVANT); □ Bed I.
- SMILING MOON. Etc., Bed I.
- SMILING WELCOME. Etc., Bed I.
- SMOKE. Etc., R., 1932.
- SMOKEY. TB-M-S9D (Bommers. 1940); Bommers. 1940; R., 1940; (Geo. J. TRIBOLET × GLOWING EMBERS).
- SMOLDER. TB-MLa-B7D (Nic. 1937); etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
- SNOWBALL. Span-WW Kelway 1906; etc., Sutton 1938.
- Snowball. Sib-WW (Wal. 1940); Wal. 1940.
- SNOW CARNIVAL. TB-M-WW (Graves N.); R., 1940; (SANTA BARBARA × GUDRUN); H.C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; □ sl.
- SNOW DROP. (Douglas-G.); etc., H. C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; **Snowdrop**; □.
- Snowdrop**. Bull. A.I.S. 82: 4., 43. July 1941; SNOW DROP.
- SNOWFLOWER. DB-E-R4-WW (Callis N.); R., 1941; (VENDOR × ...); □ hya.
- SNOW FLURRY. Etc., Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941; □ sw.
- SNOW MAN. TB-M-WW (Wayman N.); R., 1940; (GUDRUN × W Seedlg.).
- SNOW MOUNTAIN. TB-M-WW (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- SNOW PRINCESS. TB-M-WW (Benners N.); R., 1940; (WAMBLISKA × ...).
- SNOW SENTINEL. TB-M-WW (Baker-S.H. N.); R., 1941; (EASTER MORN × W Seedlg.) × (W Seedlg. × VENUS DE MILO); □ sl.
- SNOW SHOE CLUB. TB-M-WW (Graves N.); R., 1940; (SENSATION × GUDRUN).
- SNOWSPRITE. TB-EM-W1 (Berry); etc.
- SNOW VELVET. TB-MLa-WW (Sass-
- H.P. N.); R., 1941; (CLARIBEL × TIFFANY).
- Sockrates**. Horton 1940; SOCRATES.
- Sogdiana**. Pearce 1940; HALOPHILA SOGDIANA.
- SOLDIER BOY. TB-E-S1M (Wash. N.); R., 1941.
- Solfatare. Span-B3M rev (Homan); Homan-H. 1940.
- SOLOMAN. Etc., □.
- SOME LOVE. Etc., Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1940; Bull. A.I.S. 78: 3. July 1940.
- SOMERSET. TB-M-B1D (Gers.-Watkins 1939); Watkins 1939; etc.
- SOMETHING BLUE. TB-E-B1M (White-A. N.); R., 1941; (Hybrid. de Vitry seed); □ pl.
- SONGBIRD. TB-M-S9M (Wayman 1940); Wayman 1940; R., 1940; (JUNALUSKA × ...).
- SONG OF GOLD. Etc., ((NEW ALBION) × (MISS WILLMOTT × SHERBERT)) × ((AMBASSADEUR × ESPLENDIDO) × (CARDINAL)) × (ALCAZAR × SOUV. DE MME. GAUDICHAU), etc., Bull. A.I.S. 73: 66. Apr. 1939; □ str.
- SONJA HENIE. TB-M-S9L (Radke N.); R., 1941; (MRS. VALERIE WEST × BLUE VELVET).
- SONNY BOY. (Kirk. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- * **Sonny Boy**. DB-E-Y Bees 1940; SONNY.
- SONRISA. TB-M-R4L (De Forest N.); R., 1941; (HER GRACE × PRAIRIE SUNSET); □.
- SON ROBERT. Etc., R., 1932.
- SOPHIE LUNDQUIST. (Gers. 1941); Callis 1941; etc.
- SOPHROSYNE. RC-S5L (Van T. 1915); Van T. 1915; Grey, Hardy Bulbs 1: 282. 1938; (KOROLKOWI VIOLACEA × iberica).
- SOQUEL. IMB-La-B8M (Reinelt 1940); Salb. 1940; R., 1940; (WILLIAM MOHR × SUNOL).
- SORDELLO. TB-La-S7M (Gage 1938); etc.

- Sorrente.** A.I.S. Check List 508. 1939; **SORRENTE.**
SORRENTE. TB-M-Y9M (Cay. 1937); etc., **Sorrente.**
SORRENTO. Etc., R., 1930.
Sour de Le Michaud. Bommers. 1940; **SOUV. DE LOETITIA MICHAUD.**
SOUTHERN CROSS. TB-La-S9M (Burgess 1940); Long-J.D. 1940; etc.
SOUTHERN GEM. (Wash. 1940); Fair. 1940; etc.
***SOUTHERN GLOW.** TB-Y9 (Sheets 1930); R., 1930.
SOUTHERN GLOW. (Wash.); etc., □ sw.
SOUTHERN PACIFIC. TB-M-B1L (Taylor-W. N.); R., 1941; (**SIERRA BLUE** × **EL CAPITAN**).
SOUTHLAND. Etc., A.M., A.I.S. 1939; Bull. A.I.S. 73: 65. Apr. 1939.
SOUTH O'THE BORDER. TB-M-Y6D (De Forest N.); R., 1940; (**JEAN CAYEUX** × ...) × (**NARANJA**).
Souv. d L. Michaud. Horton 1940; **SOUV. DE LOETITIA MICHAUD.**
Souv. d M. Gaudisha. Horton 1940; **SOUV. DE MME. GAUDICHAU.**
SOUVENIR. Span-S3L Grull. 1910; etc.
***Souvenir.** Span. (Homan).
Souvenir de Laetitia Michaud. Lit. 1939; **SOUV. DE LOETITIA MICHAUD.**
SOVEREIGN. (Burt. N.).
SPARKLING BLUE. TB-EM-La-B1L (Grant N.); R., 1941; (**SHINING WATERS** × **ALINE**); □ lo.
SPARKLING BURGUNDY. TB-E-M-R4M (Wareham N.); R., 1941; (Seedlgs. fr. **DOMINION** × *trojana*); □ sl.
SPECIAL. Etc., R., 1932.
SPECKLED BEAUTY. Etc., R., 1931.
***SPECTABILIS.** (Lémon); etc.
SPIDER. Cal-W3M (De Forest 1940); De Forest 1940; R., 1940.
SPITFIRE. TB-MLa-R4M (Groff N.); R., 1941; □ sl.
SPOT. IB-E-M-La-B3L (Reibold-Mrs. N.); R., 1940; (**LIEUTENANT DE CHAVAGNAC**) × (**CLARIDAD** × **SOUV. DE MME. GAUDICHAU**).
SPOTLIGHT. TB-LaM-Y4D (Williams-T.A. N.); R., 1941; (**LUCREZIA BORI** × **GOLDEN HIND**); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941; □.
SPOTTIE. TB-M-S1M (Bommers. 1941); Bommers. 1941; R., 1940; (**BLUE VELVET** × **MIDGARD**).
SPRING ARIA. TB-M-B7L (White-C.G. N.); R., 1940; (Seedlg. 2-39-2) × ((Seedlg. 3-35-13) × (**Plicata** Seedlg. 2 × **Plicata** Seedlg. 3)); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941.
SPRING BEAUTY. (Gers. 1934); Kellogg 1934; etc.
SPRING CHEER. TB-M-Y3L (Whiting N.); R., 1941; (**MATULA** × **HAPPY DAYS**); □ sl.
SPRING CHIMES. Etc., H.C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
SPRING DELIGHT. IB-LaM-Y6M rev (Salb. 1940); Salb. 1940; R., 1940; (**DAUNTLESS** × **W. R. DYKES**) × (**COMSTOCK** × **CALIFORNIA**).
SPRING IDYL. Etc., R., 1937; (**ELOISE LAPHAM** × **MARIAN LAPHAM**) × (Cook P. 231, i.e. (**WILD ROSE** × **Pink Wmsn.** Seedlg. No. 876 which contained **DOMINION**)); □ M.
SPRING MEMORY. TB-M-W3M (Monroe-Loth. N.); R., 1940; (**SOUV. DE LOETITIA MICHAUD** × **SON ROBERT**).
SPRING SECRETARY. TB-M-S4L (White-C.G. 1941); Millik. 1941; R., 1940; (**FIESTA** × **CHOSEN**); H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; □ sl.
SPRING SPRITE. IB-E-Y3M (Kellogg-W.M. 1941); Kellogg-W.M. 1941; R., 1941; Tab. I.
SPRITE. Etc., R., 1939.
SPUN BOLD. (Glutzbeck 1940); Schreiner 1940; etc., Bull. A.I.S. 73: 66. Apr. 1939; Bull. A.I.S. 78: frontispiece, July 1940 %; □ sl.
SPURWINK. TB-La-S4M (Tobie 1938); etc.
Squalens Veielor. Bommers. 1940; **VIEL Or.**
STAINED GLASS. (Wilhelm 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.

- STANDARD BEARER. TB-M-R3M (Hardee N.); R., 1940; (fr. ASIA × ...) several generations.
- STARBRIGHT. TB-M-La-Y5M rev (Douglas-G. 1941); Fair. 1941; R., 1940; (SOLDANO × CHINA CLIPPER); □.
- *STAR CLUSTER. TB-EM-W1 (Gers. N.); R., 1937; etc.
- STARDOM. (Hall-D. 1941); Hall-D. 1941; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940; □.
- STAR DUST. Sib-WW (Clev. 1927); etc.
- STARLESS NIGHT. TB-M-La-B7D (Sass-J. 1941); Sass-J. 1941; R., 1940; ((THE RED DOUGLAS × Seedlg.) F. 2.); □ sl.
- STARLET. IB-MLa-Y8M (Lap. N.); R., 1941; (PINK VISTA × SALMON SPLENDOR); □ sl.
- Starlight. Eng-R2M Barr 1923; Constable 1939.
- STARRY HEAVENS. Jap-Sgl-7BM (Wal. 1927); Wal. 1927; 1928; 1934.
- STARSONG. Etc., R., 1931.
- STARWOOD. TB-M-Y4D (Williams-P.J. N.); R., 1941; (GOLDEN HIND × SUNDUST); □.
- STATE FAIR. TB-E-Y9M (Tharp 1939); Tharp 1939; R., 1940; (MESSALINE) × (RAJPUT × ALCAZAR).
- STATELINESS. TB-M-Y9L (Wayman N.); R., 1941.
- ST. BRIDE. TB-M-W4 (Meyer-H.R. 1941); Meyer-H.R. 1941; R., 1941; □.
- ST. CLEMENT. TB-MLa-R6D (Meyer-H.R. 1941); Meyer-H.R. 1941; R., 1941.
- ST. COLOMBE. IB-M-W1 (Meyer-H.R. 1936); etc.
- ST. CRISPIN. Etc., R., 1937.
- STELLA BECKER. TB-M-Y9M (Bommers. 1940); R., 1940; (GLEAM × MORNING SPLENDOR); **Stella**.
- STELLA HAYDON. TB-EM-Y9D (Haydon N.); R., 1940; (IMPERATOR × STEEPWAY); □ fr.
- STELLA POLARIS. Etc., Bull. A.I.S. 73: 66. Apr. 1939.
- STERLING. Etc., □.
- STEVENTON. TB-La-R1M (Waterer 1931); etc.
- *St. Ogg. (Hal. 1885); etc.
- STORM KING. TB-La-M-B7D (Nic. 1940); Nic. 1940; etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941.
- STRATOSPHERE. (Donahue 1939); National 1939; etc.
- STRAWBERRY BANKE. Etc. □.
- STRAWBERRY BLONDE. TB-M-S7M (Tharp 1934); R., 1940; (GERTRUDE FIELDS × SINDJKHA).
- Stromcloud**. Bommers. 1939; NUÉE D'ORAGE.
- *St. STEPHEN. (Sal.); etc.
- St. Swithin**. A.I.S. Check List 518. 1939; ST. SWITHUN.
- ST. SWITHUN. TB-M-B3M (Pesel N.); etc., **St. Swithin**; □ sl.
- STUDENT PRINCE. Etc., R., 1939.
- STUPENDOUS. TB-M-B7M (Wayman N.); R., 1940; (GOLDILOCKS × Seedlg.).
- STURDY BLUE. TB-M-B1M (Graves N.); R., 1941; (THEODOLINDA × GRACE STURTEVANT).
- Sturtevant Hybrid**. Sib. (Sturt.); Nes. 1932; ZEST.
- Stylosa Marginata Alba**. Starker 1941; UNGICULARIS MARGINATA ALBA.
- Subijin**. Jap. Berger 1921: SUI-BIJIN.
- SUBLIEM. (Van Bugge.); etc., R., 1939.
- Suicho-no-ato. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- SULTAN. Jap-Sgl (Prichard 1929); Prichard 1929; 1938.
- SUMMER EVE. TB-E-Y9D (Wayman 1940); Wayman 1940; R., 1940; (HAPPY DAYS × STATELLAE).
- SUMMER GIRL. Etc., □.
- SUMMER GLOW. (Pesel); etc., R., 1939.
- SUMMER SCHNEE. TB-M-WW (Tharp 1940); R., 1940; (PINK SATIN × Pink Seedlg.).
- Summer Skies**. Hillson 1938; LOVELY DAY.
- Summer Time**. A.I.S. Check List 520. 1939; *SUMMERTIME.

- *SUMMERTIME. (Sheets 1930); etc.,
Summer Time.
- *SUN BONNET. TB (Baker-G.P. N.); etc.
- SUNBRIGHT. Etc., Bed I.
- SUNDANCE. (Nes. 1940); Fair. 1940; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. 1940.
- SUNDAY BEST. TB-MLa-Y4L (Grant 1941); Fair. 1941; R., 1940; (Hall-D. No. 36-34 × EVERGOLD); □ str.
- SUNDEW. Etc., R., 1929.
- SUNDOWNER. TB-VLa-Y4M (De Forest 1937); De Forest 1937; 1940; R., 1940; (ALTA CALIFORNIA × KING MIDAS).
- Sun Dust.** Tip Top 1940; SUNDUST.
- SUNGLOW. Etc., R., 1931.
- SUN HAWK. (De Forest 1940); De Forest 1940; etc.
- SUNHIGH. TB-M-Y4M (Tobie N.); R., 1941.
- Sunkissed. Jap-Sgl-6BD Per. 1940.
- SUNLIT WATERS. Etc., R., 1939.
- SUNNY DAY. Etc., Bull. A.I.S. 83: 29. Oct. 1941 %; etc.
- SUNNYFIELD. Etc., □.
- SUNNY MORN. Etc., Bed I.
- SUNNYVALE. TB-M-Y4L (Nes. 1941); Fair. 1941; R., 1940; (MOUNT CLOUD × SUNDUST); □.
- SUN PRAIRIE. Etc., (PRAIRIE GOLD × OCHRACEA CAERULEA).
- Sunset Glow. TB-La-R6D (Hend.-W. H. 1934); Billmyrt 1939; Horton 1940.
- SUNSET GOLD. TB-M-Y4D (Wayman N.); R., 1941.
- SUNSET LIGHTS. (Gers. 1941); Callis 1941; etc.
- SUNSET SERENADE. TB-La-S4L (Sass-J. N.); R., 1941; (GOLDEN AGE × PRAIRIE SUNSET).
- SUNSET TAN. TB-M-S7L (Egel. N.); R., 1940; (DAUNTLESS) × (KING TUT × KING MIDAS); □ sl.
- SUNSHINE. TB-M-Y4D (Hall-D. N.); R., 1941; (SPRING PROM × TOKEN) × (a sister Seedlg.); □ lil.
- SUNSHINE GIRL. Etc., □.
- SUN SPOT. (Grant 1941); Fair. 1941; etc., H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. 1941; etc.
- *SUNTAN. TB-MLa-S4D (Baker-S.H. N.); R., 1933; (VESPER GOLD × VESPER GOLD); □ sl.
- SUNWOOD. TB-LaM-Y4D (Williams-T.A. N.); R., 1941; (CON. Y Seedlg. × BRENTWOOD) × (GOLDEN HIND); □.
- SUPER X. TB-La-Y4M (Groff N.); R., 1941; □ sl.
- SUPREMACY. Etc., R., 1932.
- SUPREME BLUE. TB-M-La-B1M (Tharp N.); R., 1940; (JAMES LLOYD) × (SENSATION × SWAZI).
- SURAYA. Etc., R., 1929.
- Sure-no-kagaki. Jap-Dbl-7BL Chugai 1932.
- SURPRISE. TB-M-B3L (Cooley 1928); Cooley 1928; etc., **Cooley Surprise; Suprise.**
- SUSA. Etc., □.
- SUSAN DAVIS. Jap-Sgl-3RM Per. 1940.
- SUSAN OF HILLY. Etc., Bull. A.I.S. 78: 15. July 1940 %.
- SUTIA. TB-M-B1M (De Forest 1937); De Forest 1937; 1940; R., 1940; (PURISSIMA × KING MIDAS); □ sl.
- SUTTER'S GOLD. TB-M-Y6M (Salb. 1941); Salb. 1941; R., 1941; (DAUNTLESS × W. R. DYKES) × (NATOMA).
- suworowi.** Bowie 1941; *I. darvasica*.
- SUZANNE ALBRAND. Etc., R., 1930.
- SWANEE. TB-M-R4D (Nic. N.); R., 1941; ((SOUV. DE MME. GAUDICHAUD × ALCAZAR) × (MORNING SPLENDOR)) × (NÊNE); □ gr.
- SWANSDOWN. TB-M-Y4L (Wayman N.); R., 1940; (GUDRUN × Seedlg.).
- Sweet Ailibi.** Billmyrt 1939; SWEET ALIBI.
- *SWEETBRIER. (Baker-G.P. N.).
- SWEET CLOVER. Etc., (APHRODITE × ...) × (PINK SATIN).
- SWEET FRAGRANCE. TB-M-S9D (Wayman N.); R., 1941; □ str. sw.
- Sweetheart. Span-W4 (Homan); deG. 1925; Dickson-R. 1940.
- Sweet Lavender. Span-W9D rev Constable 1939; Fogwills 1940.
- SWEET LEILANI. Etc., □ sp.

- SWEETNESS. IB-M-WW (Wayman N.); R., 1940; (GUDRUN $\times$ W Seedlg.).
- SWEET SPRING. DB-La-B1D (Horton 1941); Irisdale 1941; R., 1940; $\square$ str.
- SWEET SUE. TB-M-La-R9D (Hardee N.); R., 1940.
- SYLVAN GOLD. (Wash. 1940); Fair. 1940; etc.
- SYLVANIA. Etc., $\square$.
- SYLVIA. (Tharp); etc., Bed I.
- SYLVIA LENT. TB-M-Y5L (Shull 1933); etc.
- SYMBOL. Etc., Bull. A.I.S. 73: 66. Apr. 1939.
- Syria. TB Wal. 1930; prob. Mil. variety.
- SYRIA. TB-M-Y6L rev (Mil. 1926); Mead 1927; Wal. 1930; 1940.
- SYRINX. TB-M-R3D (Gers.); etc.
- *TAGAMI. TB-M-R3D (Gers. N.); R., 1933; etc.
- Tai-Hier.** Jap-Dbl Starker 1930; TAI-HEIRAKU.
- Taimanya.** Kemp 1927; TALMANGA.
- TAI-O-WA. Etc., R., 1933.
- Taki-no-Koromo. Jap-Sgl-1RD (Wada 1937); Wada 1937; 1938.
- *TALANI. Sib-MLa-B1L (Gers. N.); R., 1934; etc.
- TALANI. Sib-E-B7M (Gers. N.); R., 1941; (CAESAR'S BROTHER $\times$ KAROMENSIS).
- TALISMAN. TB-La-S6M (Mur.); etc.
- TALL BOY. TB-M-B7M (Schroeder N.); R., 1941; $\square$ sl.
- TALMANGA. Etc., R., 1930; etc., **Taimanya; Talmanga.**
- Talmanya.** Kemp 1941; TALMANGA.
- TALWAR. Etc., R., 1929.
- TAMALPAIS. TB-La-B7L (Berry 1934); etc.
- Tama-no-hana. Jap-Dbl-1WW Wada 1935.
- *TAMBUGA. Sib-MLa-B1D rev (Gers. N.); R., 1935; etc.
- Tamidare. Jap-Sgl-5 Chaut. 1932.
- TA-MING. TB-M-Y9M (Whiting N.); R., 1940; (RAMESES $\times$ ROSY WINGS).
- TAMISRA. Jap-Dbl-6BD (Barber 1939); Hoodacres 1939; R., 1938.
- TANCRED. (Sturt.); etc., R., 1923.
- TAN DELIGHT. TB-M-La-S4M (National 1940); National 1940; R., 1940; $\square$ str.
- TANEYCOMO. TB-E-M-B1M (Maples 1940); Maples 1940; R., 1940; (SANTA BARBARA $\times$ SOUV. DE MME. GAUDICHAU); $\square$.
- TANG WANG. Etc., Bed I.
- TAN TONE. TB-M-Y6D (Wayman N.); R., 1941; $\square$ sl.
- TAPESTRY ROSE. TB-M-S7M (Hall-D. N.); R., 1940; (SPRING PROM $\times$ TOKEN); H.C., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; $\square$ sl.
- TAPIST. Etc., $\square$.
- TARNEVERRO. Etc., (KING TUT $\times$ Wmsn. Seedlg.); etc.
- TARSUS. Etc., Wal. 1940.
- TATEYAMA. Etc., R., 1934.
- Ta-We.** Horton 1940; TA-WA.
- TAWENDA. (Gers. 1940); Callis 1940; etc.
- TAWNY PEARL. TB-M-R4L (Taylor-F.E. N.); R., 1941; (WELCOME $\times$ NÈNE); H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941; $\square$ str.
- TAYGETA. Etc., R., 1932.
- TEMECULA. TB-M-S7M (Berry 1940); R., 1940; (MELCHIOR $\times$ EREBUS); $\square$.
- TÉMÉRAIRE. TB-M-R6D (Spender N.); R., 1941; (GOLDEN HIND $\times$ Crimson Seedlg.) $\times$ (MORNING HERO).
- TEMPLE BELLS. TB-La-S7L (Groff N.); R., 1941; $\square$.
- Tenava.** Houdy. 1940; **TENAYA.**
- Tenax-Douglasiana Margot Holmes.** Starker 1941; MARGOT HOLMES.
- TENAX EXCELSIOR. Cal-B7D (Per.); etc., Per. 1940.
- TENAYA. TB-E-R1D (Essig 1933); etc., **Tenava.**
- TERNISSA. TB-M-S3M (Dykes-K. 1929); etc.
- *Territo. TB Bees 1910.
- TEWKSBURY. (Bun. N.).
- Thais. Jap-Dbl-4 (Lawler 1924); Lawler 1924; Pudor 1941.
- THAIS (Cay. 1926); etc.

- Tharines.** Gard. Chron. 3rd Ser. 105: 393. 17 June 1939; THARMAS.
- ***THE ADMIRAL.** TB-S3M (Mag. N.).
- THE ADMIRAL.** (Hall-D. 1941); Hall-D. 1941; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. 1940; □.
- THE BARON.** TB-M-B7M (Collier-Mr. N.); etc.
- THE BLACK DOUGLAS.** TB-MLa-B7D (Sass-J. 1934); etc.
- THE CLOWN.** DB-E-S6L (Jay 1934); Jay 1934; R., 1940.
- THE DARB.** TB-M-S9M (Grant 1940); Fair. 1940; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- THE DOMINATOR.** Etc., R., 1939.
- THE FIRST LADY.** (Callis 1940); Callis 1940; etc.
- THE GEM.** Span-B3L rev (Homan); Wal. 1913; etc., Homan-H. 1940;
- Flora.**
- THE GHOST.** TB-EM-W1 (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □ sl.
- THE GUARDSMAN.** (Grant 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- THE HOOD.** TB-M-W3L (McKee N.); R., 1941; (No. 3970 × SPRING PROM); □ sl.
- THE IRISTOCRAT.** TB-M-VLa-S6L (Winter); etc.
- THELMA JEAN.** Etc., Bull. A.I.S. 73: 66. Apr. 1941; □.
- Theolinda.** National 1938; THEODOLINDA.
- THE PATTERN.** TB-EM-S7L (Douglas-M.E. N.); etc.
- THE PEARL.** TB-EM-W1 (Gage N.); R., 1940; (SELENE × WASATCH); □ sl.
- THE RAVEN.** TB-M-R1D (Whiting N.); R., 1940; (RED ROBE × JOYCETTE); □ sl.
- THE RED ADMIRAL.** TB-M-Y9D (Smith-K. N.); R., 1941; (FRIEDA MOHR × EASTER MORN) × (MADAME MAURICE LASSAILLY).
- THE RED BRICK.** Etc., R., 1939.
- THE RED DOUGLAS.** TB-MLa-R9D (Sass-J. 1937); etc., Bull. A.I.S. 73: 65. Apr. 1939; Dykes Medal 1941; Bull. A.I.S. 82: 3. July 1941; □ sl.
- THE WHITE SENTINEL.** TB-M-WW (Smith-K. N.); R., 1941; (EASTER MORN) × (CADETOUT × W. R. DYKES).
- Thiers.** Mil. 1913: PRESIDENT THIERS.
- Thisbe.** Sib-B1L (Wal. 1933); etc.
- THOMAS MOORE.** Eng-R1L Van M. 1937; Stewart 1939.
- Thomas Ottoe.** Horton 1940; THOMAS OTTO.
- Thos. R. Bacon.** Houdy. 1941; THOMAS R. BACON.
- THREE OAKS.** TB-M-R4D (Whiting N.); R., 1940; (MATULA × GARDEN MAGIC).
- THREE SISTERS.** TB-E-W9D (De Forest 1941); De Forest 1941; R., 1940; (BURNING BRONZE × NARANJA).
- THUNDER BIRD.** Sib-E-B7D (Gers. N.); R., 1941; (CAESAR'S BROTHER × KAROMENSIS).
- Thunderstorm.** Jap-Dbl-7R1D Wayman 1941.
- THUNER SEA.** Sib-M-B1D (Gers. N.); R., 1933; (PERRY'S BLUE × BLUE KING).
- Thysbe.** Pfeif. 1926; THISBE.
- TICK TOCK.** Etc., Bronze Medal, I.S. (E.) 1939; Yr. Bk. I.S. (E.) 36., 42. 1939.
- TIGER EYE.** TB-EM-Y3L (Wareham N.); R., 1941; (Seedlgs. fr. DOMINION × *trojana*); □ sl.
- TIMGAD.** Etc., R., 1934.
- TINTO.** TB-M-W2L (Gibson 1939); Gibson Ltd. 1939; R., 1939; (Seedlg. Plicata × PURISSIMA); □ M.
- TINT OF GOLD.** TB-M-Y4L (Wayman N.); R., 1941.
- TISHOMINGO.** TB-M-La-B1L (Cald. N.); R., 1941; □ str.
- TITANIC.** (Gers. 1940); Callis 1940; etc.
- TITIAN LADY.** TB-M-La-WW (Douglas-G. 1941); Fair. 1941; R., 1940; (VENUS DE MILO × W Seedlg.); H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; □.
- TLAYA.** Sib-M-B3L (Gers.); etc.
- TOAST.** TB-M-Y8M (White-C.G.-

- Loth. N.); R., 1940; (SEQUOIAH × LADY PARAMOUNT).
- TOBACCO ROAD. TB-M-S4M (Klein. N.); Bull. A.I.S. 82: 55. July 1941: R., 1941; (AZTEC COPPER × Y Seedlg.); □.
- *TOKALA. TB-MLa-S6M (Gers. N.); R., 1936; etc.
- TOKEN. Etc., R., 1936.
- TOKIO. Jap-Sgl-5BL (Vilm. 1910); Barr; etc., Bull. S.N.H.F. 6th Ser. 1: 142. Mar. 1934; **Tokyo**.
- Tokio. Jap-Dbl-1R Per. 1940.
- Tokiwa-no-Hana. Jap-Dbl-6RD Wada 1935; 1937; 1938.
- Tomata-Hime. Jap-Dbl-4 Chaut. 1932.
- Tom's Yellow. TB-Y (Houdy. 1936).
- TONKINOISE. Etc., R., 1935.
- Ton Tit**. Bommers. 1940; **TOM TIT**.
- TONY. Etc., R., 1930.
- TOPGALLANT. Etc., R., 1935.
- TOP HAT. TB-M-S7M (Groff N.); R., 1941; □.
- TOP SERGEANT. TB-M-R6D (Kirk-Williams 1941); Vestal 1941; R., 1941; □.
- TOURAINÉ. TB-M-R1M (Mil. 1937); R., 1940; (SANDRA × HENRI RIVIERE).
- TOUSSAINT L'OUVERTURE. IMB-E-R7D (Schreiner-R. 1939); Kellogg 1940; National 1940; (Onc. hybrid); **Toussant L'Ouverture**.
- Toussant L'Ouverture**. National 1940; TOUSSAINT L'OUVERTURE.
- TOWER OF JEWELS. TB-M-Y9M (Salb. 1941); Salb. 1941; R., 1941; (PLURABELLE) × (BRONZE BEACON × SAN FRANCISCO).
- TRADE WINDS. TB-La-W9M (Groff N.); R., 1941; □.
- TRANQUIL. Etc., R., 1935.
- Traumeri**. National 1940; **TRAUMERI**.
- TRAUTLIEB. TB-M-R7L (G & K 1899); etc., R., 1938; G & K 1938a.
- TREASURE ISLAND. Etc., Bull. A.I. S. 73: 66. Apr. 1941; □ sl.
- TREASURE TROVE. (Sturt. 1940); Fair. 1940; etc.
- TREDEGAR. IB-M-R4L (Bun. 1939); Bun. 1939; R., 1940.
- TRENT. Etc., R., 1936.
- Tri-color. Eng-B9M rev (Kanouse 1941); Kanouse 1941.
- TRIGLAVII. IB-M-B7D (Coll. in Slovenia); etc., Ingwersen 1937; 1940; R., 1936; **pallida tergluviensis**; □ sw.
- TRILOGY. Etc., R., 1936.
- TRINKET. Etc., R., 1938.
- TRIPTYCH. Etc., Bull. A.I.S. 81: 32. Apr. 1941 %; etc., **Tryptich**.
- Tris Tram**. Horton 1940; **TRISTRAM**.
- TRIUMPHUS. Jap-Dbl-6BD (Barber 1939); Hoodacres 1939; R., 1938.
- TROUBADOUR. TB-M-S4M (Millik. 1941); Millik. 1941; R., 1941; (SUNGOLD × CHOSEN); □.
- Trojan**. Billmyrt 1939; **TROYON**.
- Tryptich**. Cooley 1941; **TRIPTYCH**.
- *TSI-LO-LAN. IB-M-B7M (Gers.); etc., R., 1934.
- TSUDA-BENI. Laev-R1M Wada 1935; 1937; 1938; Chugai 1939.
- Tsuki-no-Shirotae. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- TUALATIN. Etc., R., 1932.
- TUAN. TB-M-B1M (Peckham N.); R., 1940; (SOUV. DE LOETITIA MICHAUD × PARTHENON); □ str. vio.
- TUCCIA. Sib-MLa-WW (Gers. N.); etc.
- TUESDAY'S CHILD. Etc., R., 1938; (¼ Onc.).
- Tuji. Jap-Sgl-7 Cooley 1932.
- TULSA. Vinic-R1D (Essig 1932); etc.
- TUNEFUL. Etc., R., 1935.
- TUSCARORA. Etc., R., 1928.
- TUSSOR. TB-VLa-Y4M (Vilm. 1924); etc., R., 1935; etc.
- TU-TONE. Etc., R., 1939.
- TWILIGHT BLUE. Etc., R., 1935.
- TWILIGHT SHADOWS. Etc., R., 1934.
- T. W. THORNTON. TB-M-B3M (Thorn.-Bostock 1939); Notcutt 1931; R., 1936; 4A 134; (LORD OF JUNE × ...); A.M., R.H.S. 1930; Gard. Ill. 52: 651. 4 Oct. 1930.
- TWYFORD. Etc., R., 1939.
- TYPHOON. TB-La-R1M (Groff N.); etc., R., 1938.

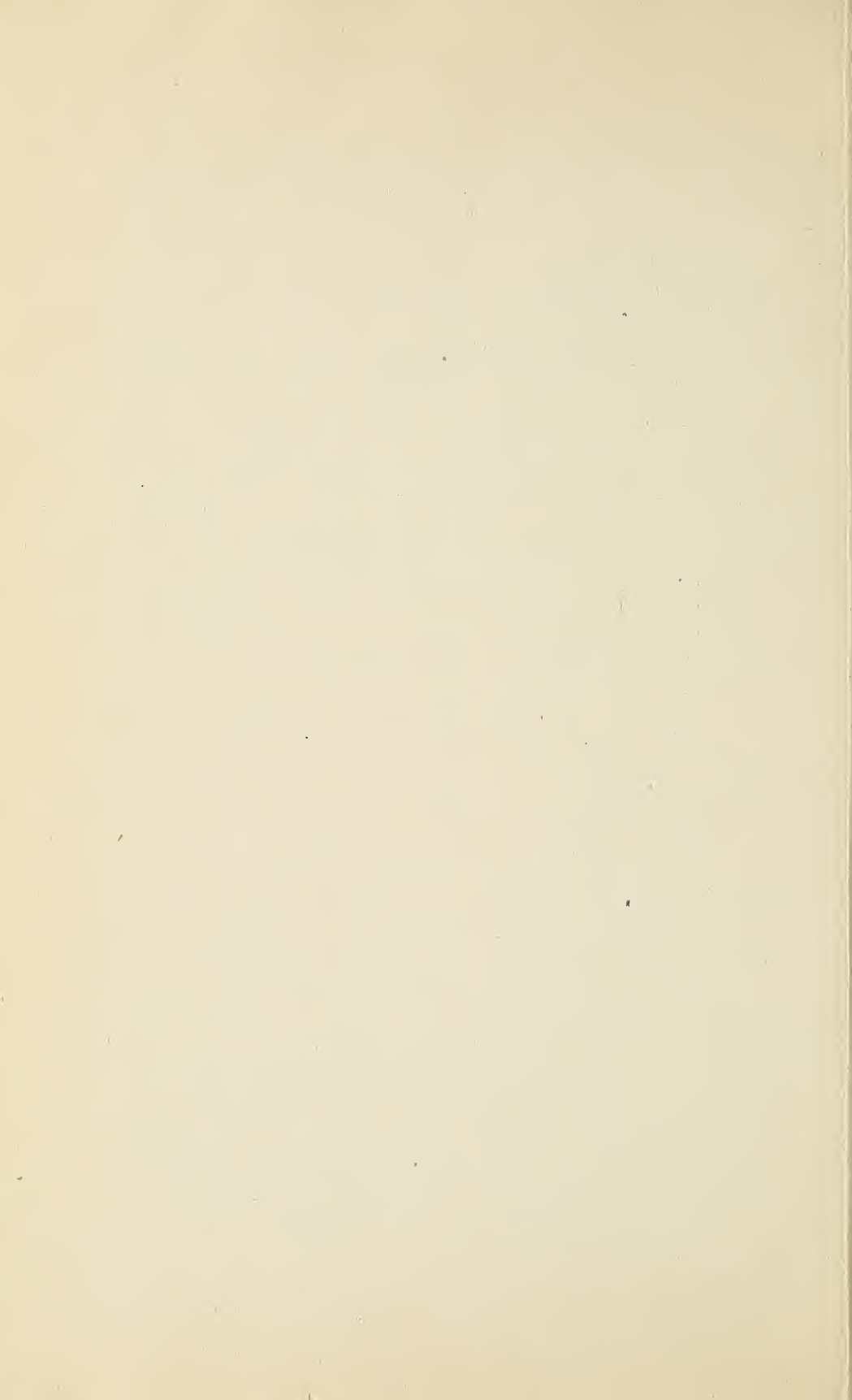
- TYRIAN BEAUTY. (Gage 1940); Gage 1940; Fair. 1940; etc.
- TYROLER. TB-La-R3M etc.
- *UCAYGUA. (Barber); R., 1938.
- ULLSWATER. Sib-MLa-B3D rev (Gers. N.); R., 1933.
- UNCAS. Etc., R., 1938.
- UNGUICULARIS MARGINATA ALBA. Ung-WW Starker 1941; *Stylosa Marginata Alba*. uniflora. D-Ruth.-B7D Wada 1937; 1938; dwarf form of *I. ruthenica*.
- UNION JACK. Eng-B1D Constable 1939.
- UNIQUE. TB-M-S7L (De Forest N.); R., 1941; (SALAR) × (JEAN CAYEUX × W. R. DYKES).
- URSA MINOR. TB-La-B1L (Groff N.); R., 1941; □.
- URSULA RUSSELL. Etc., R., 1938.
- Usugesho. Jap-Dbl-E-7R Wada 1935; 1937; 1938.
- Uwodu Variegata. D-Ev. Oakhurst 1940; JAPONICA APHRODITE.
- VAGABOND PRINCE. TB-La-B1D (Sass-J. 1940); Sass-J. 1940; Whiting 1940; R., 1940; (Seedlg. × THE BLACK DOUGLAS); □ sl.
- VALDINA. Etc., Bed I.
- Valenica. Bommers. 1941; VALENCIA.
- VALENTINE. TB-M-W8M (Smith-K. N.); R., 1941; (SIEGFRIED × MADAME LOUIS AUREAU); □.
- VAN HOESEN. Jap-Sgl-4RL (Kemp 1927); Kemp 1927; etc.
- Van Houtteana. Inc. IBERICA VAN HOUTTH.
- VAQUERO. TB-M-B1D (Peckham 1942); Peckham 1942; R., 1941; (NIGHTSHADE × SAN DIEGO); □ sw.
- VASHTI. Etc., R., 1929.
- VATICAN PURPLE. TB-La-B1D (Whiting N.); R., 1940; (MISSOURI × MATA HARI); □ str.
- VEIL OR. Etc., *Squalens Veielor*.
- VEINED BEAUTY. TB-M-W2M rev (National 1940); National 1940; R., 1940; □ str.
- VEISHEA. TB-M-S7M (Whiting N.); R., 1940; (MATULA) × (MATULA × SUMMER TAN); □ sl.
- VELVET GEM. (Clev.); etc., Little Boy Blue (Clev.).
- VELVET KNIGHT. TB-M-B7D (Wayman N.); R., 1941.
- VELVET WONDER. TB-M-S9D (Wayman N.); R., 1941; □ str. sw.
- VENDÉE. TB-La-Y9D (Mil. 1937); R., 1940.
- VENDETTA. Etc., R., 1930.
- VENDOR. Etc., R., 1938.
- VENUS. (Sal.); etc.
- Venus. RC-S5L (Van T. 1915); Grey, Hardy Bulbs 1: 282. 1938; (KOROLKOWI VIOLACEA × iberica).
- Venus Demilo. LeGron 1940; VENUS DE MILO.
- VERIBLUE. Etc., □.
- VERIS. DB-E-R4-Y4D (Callis N.); R., 1941; (XEON × SOUND MONEY).
- VERNAL DAWN. Ver-R7L (Henry-1941-Coll. Bath Co., Va.); Fair. 1941; (form of *I. verna*); □.
- VERNAL SNOW. Ver-WW (Henry-1941-Coll. Bath Co., Va.) Fair. 1941; R., 1941; (form of *I. verna*); □.
- VERNAMONT. Etc., R., 1932.
- VERNAPIED. Etc., R., 1932.
- VERONIQUE. TB-B2 (Cay. bef. 1929); etc.
- VERUCCHIO. Etc., □.
- *VERSICLE. (Meyer-H.R. N.).
- Vert Gallante. Maples 1940; VERT GALANT.
- Vesper. Field 1940; *I. dichotoma*.
- Vesta. Jap-Sgl-1WW Per. 1940.
- Vestal's Velvet. National 1940; VESTAL VELVET.
- VIA ANAGNINA. (Senni N.).
- VIA APPIA ANTICA. Etc., Bull. A.I.S. 73: 68. Apr. 1939.
- vicaria. Jun-B7L (Baker-G.P.); J.R. H.S. 66: 6, xlviii. June 1941; Bronze Medal, I.S. (E.) 1941, P.C., R.H.S. 1941; Yr. Bk., I.S. (E.) 20. 1941.
- VICE REGAL. TB-M-B7D (Groff N.); R., 1941; □.
- VIIPURI. TB-M-W9D (Wmsn. 1940);

- Long. 1940; R., 1940; (DOROTHY DIETZ × ...); □.
- VIOLET BONNET. Etc., R., 1938.
- *Violet Fane. Jap. deG. 1906; \$.
- VIOLET PRINCE. DB-E-B9D (Ouden 1940); Bees 1940.
- VIOLET SYMPHONY. TB-M-B7M (Smith-K. 1940); Fair. 1940; Bull. A.I.S. 83: 25. Oct. 1941 %; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- VIOLET TOWER. Jap-Dbl-6BD (Barber 1939); Hoodacres 1939; R., 1938.
- VIREO. Etc., □ sl.
- VIRGINIA WHITE. TB-M-W1 (Sim. 1941); R., 1941; (PURISSIMA × PICADOR).
- VIRGIN SNOW. TB-MLa-WW (Sass-H.P. N.); R., 1941.
- *VIRGO. (Cap. 1901); etc.
- *Virgo. DB-E-Y4M etc.
- VIRIDIVINEA. Etc., R., 1931.
- VITRUVIUS. Etc., □.
- VIVOLA. Etc., Bed I.
- *VON SALIS. (Krel. 1892); etc.
- VULCAN. TMB (Fos. 1905); etc., Per. 1940; etc.
- WABASH. (Wmsn. 1936); etc., Bull. A.I.S. 77: 4. Apr. 1940 %; Dykes Medal, 1940; Bull. A.I.S. 78: 3. July 1940.
- WAG. TB-La-R3D (Gers.); etc., (GARGANTUE × TENEBRAE); □ sl.
- WAHALLE. Fulv-S4L (Wash. 1934); Nes. 1934; 1938; 1940; R., 1933; **Walhalle** (Wash.).
- WAHKEENA. Cal-R7M (De Forest 1940); Starker 1940; R., 1940; (*macro-siphon* hybrid).
- Wakamura. Jap-Dbl Weed 1930.
- WAKAMUSHA (Young Knight). Jap-Dbl-5 (Toko-en bet. 1900-1910); Yok. 1925; 1928; Scheep. 1935; 1937; Totty 1937; Bull. A.I.S. 67: 51. Oct. 1937; Ruys 1938; Wayman 1938; Huntgn. 1939; R., 1938; **Wakamusha** (Yok.); **Mrs. Hamilton Fish Webster**.
- WAKARUSA. TB-M-R6M (Lap. 1941); Schreiner 1941; R., 1940; (MARY GEDDES × RED GLEAM); H.M., A.I.S. 1941; Bull. A.I.S. 82: 4. July 1941; □ sl.
- WALDEN. Etc., R., 1939.
- Walhalle**. (Wash.); A.I.S. Check List 561. 1939; WAHALLE.
- WALTER T. WARE. Span-Y4L (Homan); Krel. 1906; etc., Homan-H. 1940; etc.
- WAMBA. TB-EM-B7D (Gage 1941); Gage 1941; R., 1940; (GRACE STURTEVANT × ...).
- WANADIS. Etc., R., 1936.
- *WANDA. Etc., R., 1925.
- WARL-SIND. Etc., R., 1939.
- WARWICK. Etc., R., 1939.
- WASAT. Etc., R., 1939.
- Wasatsh**. Bommers. 1941; WASATCH.
- Wastach**. Rockmont 1940; WASATCH.
- WATAUGA. Etc., R., 1935.
- W. C. TERRY. Etc., R., 1923.
- *WEDDING GOWN. (Craw. 1924); Craw. 1924; etc.
- WEDDING MORN. TB-M-WW (Tobie N.); R., 1941.
- Wedgewood**. Lehman 1941; WEDGWOOD.
- WEEN MARIE. TB-M-W4 (Wayman N.); R., 1940; (GUDRUN × W Seedlg.).
- WEE PRINCESS. Etc., Tab I.
- WELLINGTON. (Burgess 1938); Long-J.D. 1938; etc.
- Wena Goodell**. Wayman 1940; WENA GOODALL.
- WESTERN SKIES. Etc., R., 1929.
- WEST POINT. (Nic. 1939); etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- WEST WIND. TB-M-Y9M (Groff N.); R., 1941; □.
- WEYMOUTH. Etc., □.
- WEZEN. Etc., R., 1939.
- WHIPPED CREAM. TB-E-Y4L (Grant N.); R., 1940; (DESERT GOLD × W. R. DYKES).
- WHISTLING INDIAN. Jap-Sgl-5BM (Barber 1939); Hoodacres 1939; R., 1938.
- WHITE ALONE. TB-M-WW (Horton 1940); Horton 1940; etc.
- White Autumn King**. AUTUMN QUEEN.

- WHITE BANNER. TB-M-WW (Wayman 1940); R., 1940; (W Seedlg. × LADY PARAMOUNT).
- WHITE BEARD. TB-La-WW (Callis 1941); Callis 1941; R., 1940; (WHITE FROST × MARY H. DUNCAN); □ or.
- WHITE BEAUTY. (Elder. 1937); etc. White Beauty. DB-WW Field 1940.
- WHITECAPS. Sib-M-WW (Craigie N.); R., 1940; (GATINEAU × WHITE DOVE).
- WHITE CAVALCADE. Jap-Dbl-WW (Barber 1940); Hoodacres 1940; R., 1940.
- WHITE CHRISTMAS. TB-M-WW (Miller-W. N.); R., 1940; (W Seedlg. × W. Seedlg.); □ sl. gr.
- WHITE CITY. TB-EM-W1 (Mur. 1939); etc., Dykes Medal, 1940; F.C. C., R.H.S. 1940; Yr. Bk. I.S. (E.) 20., 66. 1940; 11. 1941; □.
- WHITE CREST. TB-La-W4 (Groff N.); R., 1941; □.
- WHITE DRESS. Etc., R., 1932.
- WHITE GODDESS. TB-MLa-WW (Nes. 1936); etc.
- WHITEHILL. Etc., R., 1929.
- WHITE LADY. DEng-WW Van V. 1928; Van M. 1937; Constable 1939; S.
- WHITE MAN. Etc., R., 1934.
- WHITE PARK. TB-MLa-WW (Graves N.); R., 1941; (GUDRUN × SHIRVAN); □ str.
- White Pearl. Dut-W6L (Van Bugge. 1939); Homan-H. 1939; 1940; Mount Everest.
- White Pearl. Jap-Sgl-1WW Per. 1940.
- WHITE PERFECTION. TB-VLa-WW (National 1941); National 1941; R., 1941; (GUDRUN × BUECHLEY GIANT).
- WHITE PLAINS. Etc., □.
- WHITE PRINCE. TB-E-W4 (Douglas-G. 1940); Fair. 1940; etc., H.M., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- WHITE ROBE. TB-M-WW (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- WHITE SAIL. (Van Bugge.); etc., R., 1939.
- WHITE SAPPHIRE. TB-M-WW (Wayman 1940); Wayman 1940; R., 1940; (GUDRUN × W Seedlg.).
- WHITE SPLENDOR. TB-M-WW (Wayman 1940); Wayman 1940; R., 1940; (GOLDLOCKS × ...) × (W Seedlg.).
- WHITE SUNBONNET. TB-E-WW (Horton 1941); Horton 1941; R., 1941; (PURISSIMA × Sass No 35-29).
- *White Swan. (Alex.); etc.
- WHITE TWIN. TB-E-WW (Horton 1940); Horton 1940; R., 1940; (PURISSIMA × MIDGARD Seedlg. No. 432; sister to WHITE ALONE).
- WHITE VELVET. TB-M-W7 (Benness N.); R., 1940; (PINK SATIN × MOONLIGHT).
- WHITE WINDHAM. Delete R., 1932.
- WIGWAM. TB-M-Y4L (Groff N.); R., 1941; □.
- WILBUR GERSDORFF. TB-M-R7D (Gers.); etc.
- WILD HONEY. TB-M-S4M (Whiting N.); R., 1940; (JEAN CAYEUX) × (GOLDEN LIGHT × MARY GEDDES); □ pu. ho.
- WILD ORCHID. (Kellogg-W.M. 1940); Kellogg 1940; Whiting 1940; etc.
- WILHELM MEISTER. TB (Douglas-M.E. N.); Bull. A.I.S. 78: 36. July 1940.
- WILLIAM ASBURY. Etc., □ gr.
- WILLIAM CAREY JONES. Etc., Wm. Carey Jones.
- WILLMOTTIANA ALBA. Etc., R., 1936.
- WILL ROGERS. (Callis 1940); Callis 1940; etc.
- WINE OF SHIRAZ. TMB-E-R1D (White-C.G. N.); R., 1941; (Onco-bred).
- Wing Glory. Tip Top 1940; WINE GLORY.
- WINGS. TB-La-B1L (Tharp 1939); Tharp 1939; R., 1941; (SENSATION × SOUV. DE LOETITIA MICHAUD).
- WINKIE. TB-M-R7L (Baker-Mrs. N.); R., 1940; (DAY DREAM × PERSIA).
- WINNER. TB-M-R1D (Sturt. N.);

- R., 1933; (FELICITY) × (CAMELIARD × ...).
- wingradowi*. Etc., R., 1934.
- WINSTON CHURCHILL. TB-M-R9D (Stevens-W.R. N.); R., 1941; (ACHILLES (Stevens-W.R.) × MAR-ESCHAL NEY); □ sl.
- WINTER CARNIVAL. TB-MLa-W1 (Schreiner-R. '1941); Schreiner 1941; R., 1940; (VIOLET CROWN × EASTER MORN); □ p.
- WINTER SHADOWS. TB-M-B1L (Peck-A.E.-Bent 1940); Fair. 1940; Gage 1940; 1941; R., 1940; (SENSATION × CRUSADER); H.C., A.I.S. 1940; Bull. A.I.S. 78: 4. July 1940.
- WINTER SKIES. Jap-Sgl-7BL (Nes. 1933); etc.
- WISCONSIN. Etc., Bath 1940; etc.
- WISLEY WHITE. Sib-W R.H.S. Seed List 386. 1940; R., 1940; **Siberica Wisley White**.
- Wm. Carey Jones. Billmyrt 1939; WILLIAM CAREY JONES.
- Wonderchied. Shippy 1940; WONDERCHILD.
- WONDERCHILD. (National 1933); etc., **Wonderchied; Wonder-child; Wonder Child**.
- Wonder-Child. A.I.S. Check List 570. 1939; WONDERCHILD.
- Wonder Child. Wayman 1940; WONDERCHILD.
- WOODBURY. TB-M-WW (Whiting 1940); Whiting 1940; R., 1940; (SHINING WATERS × ST. LOUIS); □ sl.
- WOODLANDER. TB-MLa-R7D (Graves N.); R., 1941; (ZUNI × DÉPUTÉ NOMBLOT).
- WOODPECKER. Sib-BID (Wal. 1940); Wal. 1940.
- WOOD THRUSH. TB-M-S8L (Smith-K. N.); R., 1941; (SIEGFRIED × MADAME LOUIS AUREAU); □.
- WOUVERMAN. Dut-Y6M (Van T. 1916); etc.
- Wrexham**. (Bun.); WROXHAM.
- WROXHAM. IB-M-W8L (Bun. 1939); R., 1940; **Wrexham**.
- W. W. WALLACE. IB-M-B3M (Lockhard 1922); etc., R., 1932.
- XANTHITE. TB-E-Y4D (Callis N.); R., 1941; (HAPPY DAYS × MISSOURI GOLD); □ ho.
- XIPE. DB-E-B1L (Callis N.); R., 1941; (LADIES OF PEELING × ...); □ lil.
- YACQUITA. TB-La-B1L (Gers. 1940); Callis 1940; R., 1931; etc.
- Yakumodachi. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- Yamabiko. Jap-Dbl-1WW Wada 1935; 1937; 1938.
- YASMELA. Etc., R., 1934.
- YELLOW BALLOON. TB-M-S1M (Kellogg-W.M. N.); R., 1940; (SUNOL × DUNE SPRITE); □ sl.
- YELLOW CAP. TB-La-Y4D (Groff N.); R., 1941; □.
- YELLOW DREAM. TB-M-Y4L (Liv. N.); R., 1940; (PURISSIMA × NANCY ORNE); □.
- YELLOW FELLOW. DB-YL Stone-W.C. 1941.
- YELLOW GLORY. Etc., H.C., A.I.S. 1941; Bull. A.I.S. 82: 5. July 1941; □.
- YELLOW JACKET. TB-M-Y4M (Groff N.); R., 1941; □ sl.
- YELLOW JEWEL. Etc., Bull. A.I.S. 81: 32. Apr. 1941%; Bull. A.I.S. 73: 66. Apr. 1939; A.M., A.I.S. 1941; Bull. A.I.S. 82: 3. July 1941.
- Yellow King**. Span-Y4D Etc., KING OF THE YELLOWS (Y4D).
- YELLOW PRINCE. Dut-Y4M (deG. 1937); deG. 1937; etc.
- YELLOW VELVET. IB-EM-Y4D (Kellogg-W.M. N.); R., 1940; (GOLDEN BOW × AT DAWNING); □ sl.
- YELLOW WARBLER. TB-E-M-Y4D (Parker-J.B. N.); R., 1940; (JELLOWAY × DESERT GOLD); H.C., A.I.S., Washington, D. C. 1940; □.
- YELLOW WONDER. TB-M-Y4D (Kirk. 1940); Iris City 1940; etc.
- YOUNG APRIL. (White-C.G. 1940); Millik. 1940; etc.
- YOUTH'S DREAM. (Carp.-C. 1940); Fair. 1940; etc.

- YUKI-DORO. Laev-Sgl-1W2 Wada 1935; 1937; 1938; Chugai 1939.
- YUKIKAGAMI. Laev-1W1 Wada 1935; 1937; 1938; Chugai 1939.
- ZACA. TB-LaM-WW (Loth. N.); R., 1940; (AURIFERO × W. R. DYKES).
- ZAMZAM. TB-M-B9D (Graves N.); R., 1941; (CYRUS THE GREAT × VENUS DE MILO).
- ZEBULON. TB-VLa-B1M (Callis N.); R., 1941; (SIR KNIGHT × ORMOHR);
□ gr.
- ZEPHYR. Jap-Dbl-2 (Chi. 1924); etc.
- Zillichau.** Horton 1940; ZULLICHAU.
- ZINGARA. Etc., R., 1928.
- ZORANA. (Gers. 1941)^f; Callis 1941; etc.
- Zouare.** Bommers. 1940; ZOUAVE.
- Zullichan.** Callis 1940; ZULLICHAU.
- ZUNI. Etc., R., 1930; **Rendell.**
- ZU ZAN. TB-EE-S4D (Thom.-W. N.); etc.
- Zwanenberg.** Bommers. 1940; ZWANENBURG.



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BULLETIN
OF THE
AMERICAN IRIS SOCIETY

OCTOBER, 1942

No. 87

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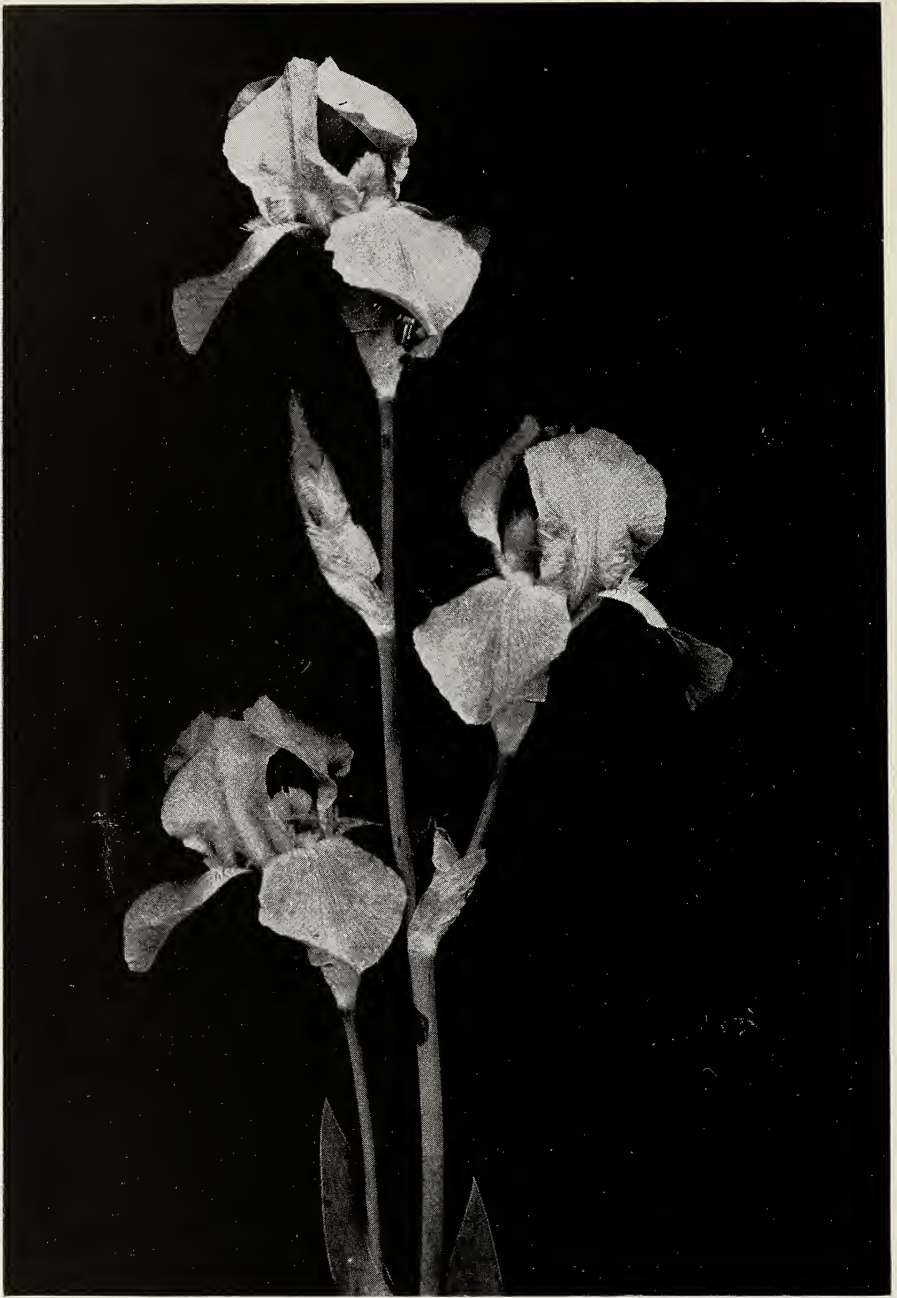
■ YOUR EDITOR makes no bones of the fact that this BULLETIN should have been in the hands of the members several months ago and holds no brief for himself other than a long period of physical indisposition. While he has also undertaken time-consuming duties as a worker for the O.P.A. which would seem to take precedence at the moment, he is entirely cognizant of the added importance of the BULLETINS as a common bond between A.I.S. members in this year of war when garden visits will necessarily be greatly curtailed because of transportation problems. In consequence, the Editor is hereby entering a plea for the contribution of more articles by our iris enthusiasts without the necessity of making a personal solicitation for each one.

In this number are combined both the list of 1942 awards and the statistical data of the iris ratings. We feel fortunate in having so many pages of pertinent varietal comments and are gratified with the cooperation of the members in furnishing such a generous amount of material.

Readers of Dr. Franklin Cook's article entitled "My Perfect Iris" are quite likely to become imbued with some of his enthusiasm; and others will appreciate Mrs. Hires' story, which is packed with information on the many new varieties of iris she saw last spring. Once again we are indebted to Mrs. Steedman for her careful observations of the bloom found in the superb iris collection in Mr. Fishburn's garden at Roanoke, Va.

Of greater scientific interest, perhaps, are Jan de Graaff's article on cultivated bulbous iris and Geddes Douglas' story on the origin of modern white iris. The latter has also provided us with three more inheritance charts of Award of Merit iris which we are planning to make a permanent feature of the BULLETINS.

F. W. CASSEBEER, *Editor*



Courtesy of Cooley's Gardens

GREAT LAKES, Dykes' Medal winner for 1942, the stately, clear blue iris originated by Mr. L. W. Cousins, of Canada.

AMERICAN IRIS SOCIETY AWARDS, 1942

DYKES MEDAL

<i>Variety</i>	<i>Originator</i>
	<i>Dykes Medal</i>
GREAT LAKES	Cousins
	<i>Runner-up</i>
GOLDEN MAJESTY	Salbach

AWARD OF MERIT

American Varieties—Tall Bearded

<i>Variety</i>	<i>Originator</i>
SPUN GOLD	Glutzbeck
GOLDEN FLEECE	J. Sass
DEEP VELVET	Salbach
MELITZA	Nesmith
GOLDEN SPIKE	Whiting
BALMUNG	H. P. Sass
CAROLINE BURR	Smith
ARCTIC	Kleinsorge

Other Than Tall Bearded

HELEN ASTOR (Siberian)	Whitney
PINK RUFFLES	Smith
(Intermediate)	

Foreign Varieties

None

HONORABLE MENTION

Tall Bearded

<i>Variety</i>	<i>Originator</i>
AND THOU	Graves
BLUE SHIMMER	J. Sass
CAPTAIN WELLS	P. Cook
CEDAR ROSE	Whiting
CHICORY BLUE	Douglas
COPPER PINK	Kellogg
COPPER ROSE	P. Cook
CORAL MIST	Grant
DAYBREAK	Kleinsorge

*Variety**Originator*

DISPLAY	Grant
FLORA ZENOR	J. Sass
FRANCONIA	Graves
GOLDEN EAGLE	Hall
INDIANA NIGHT	P. Cook
LADY NAOMI	Fay
LATE SUN	DeForest
L. MERTON GAGE (L-8)	Lapham
MARY VERNON	McKee
MELLOWGLOW	Whiting
PERSIAN PRINCE	H. P. Sass
PINK REFLECTION	P. Cook
PRINCE OF ORANGE	Kleinsorge
RAEJEAN	Whiting
SNOW CARNIVAL	Graves
SNOW VELVET	H. P. Sass
TAPESTRY ROSE	D. Hall
TISHOMINGO	Caldwell
WINTER CARNIVAL	Schreiner
YELLOW GLORY	Smith

Intermediates

BLACK HAWK	Schreiner
RUBY GLOW	Schreiner

Siberian, Hybrids, Species

MOUNTAIN LAKES (Siberian)	Gersdorff
ELMOHR (Hybrid)	Loomis

Fall Blooming

None

HIGHLY COMMENDED

*Variety**Originator*

ATROUS	Gage
40-130A	Graves
FRANCELIA, 42-15	McKee
JOMAR, 41-90	McKee
REDYEN, 39-99A	McKee

<i>Variety</i>	<i>Originator</i>
SUNSET SERENADE	J. Sass
41-7	J. Sass
41-10	J. Sass
LOUISE BLAKE	Smith
ILSE LOUISE	Smith
SILVER & GOLD, 42-1	Tobie
1-41-2	White
GARDEN GLORY, 40-55	Whiting
VEISHEA	Whiting
JASPER AGATE	Mrs. Tom Williams

JESSE WILLS, *Chairman, Awards Committee*

NEW DIRECTORS AND OFFICERS ELECTED

■ SINCE no further nominations for directors were received from the membership beyond those proposed in a letter sent to members by the Secretary last fall, according to the usual procedure the following directors were declared elected for the three-year term beginning in 1943: F. W. Cassebeer, Geddes Douglas, Dr. H. H. Everett, and Dr. R. J. Graves.

Because of war-time conditions and transportation difficulties, the directors decided not to hold their annual December meeting. The election of officers for 1943, therefore, was conducted by mail, and the results were as follows: *President*: Jesse E. Wills; *Vice-President*: J. P. Fishburn; *Secretary*: H. R. Watkins; *Treasurer*: E. G. Lapham; *Editor*: F. W. Cassebeer.

IRIS RATINGS, 1942
Tall Bearded Iris
 (Permanent Ratings—20 or More Votes Received)

<i>Name</i>	<i>Originator</i>	<i>Rating</i>	<i>Number Votes</i>	<i>Number Regions</i>	<i>High</i>	<i>Low</i>
AND THOU	Graves	88	26	6	93	81
ARCTIC	Kleinsorge	88	50	11	96	77
ARETHUSA	Gage	86	39	8	91	78
BLACK VALOR	Nicholls	87	32	9	93	82
BO-PEEP	Lapham	84	27	5	89	70
BROWN BONNET	Gage	87	25	5	93	82
CALIFORNIA TREK	White	89	20	7	96	83
COPPER CASCADE	Kleinsorge	87	29	9	90	82
CRIMSON TIDE	Nicholls	88	27	9	93	85
EDWARD LAPHAM	Lapham	88	25	6	95	84
FLORA CAMPBELL	Hill	87	32	10	91	83
GARDEN FLAME	H. Sass	89	31	7	93	82
GOLDEN MADONNA	Essig	87	33	9	91	75
LORD DONGAN	Smith	88	32	7	91	83
MISSOURI NIGHT	Callis	87	28	7	93	78
MOUNTAIN SKY	Milliken	88	25	9	95	75
NYLON	Whiting	84	39	10	90	70
ORANGE FLAME	Salbach	87	27	9	91	80
PHOEBE	Douglas	87	23	7	90	83
POT O'GOLD	Grant	88	22	7	93	83
PRINCE OF ORANGE	Kleinsorge	87	35	9	92	82
RIDING HIGH	Lapham	86	21	7	90	80
SALAR	DeForest	85	33	8	89	78
SNOQUALMIE	Brehm	87	40	9	92	82
STORM KING	Nicholls	89	30	8	93	80
VIOLET SYMPHONY	Smith	88	43	7	92	84
WAKARUSA	Lapham	88	26	7	96	70
YELLOW GLORY	Smith	88	21	6	90	84

Other Tall Bearded 1942 Ratings
 (Less than 20 Votes Received)

<i>Name</i>	<i>Originator</i>	<i>Rating</i>	<i>Number Votes</i>	<i>High</i>	<i>Low</i>
ACE OF SPADES	Salbach	85	5	87	80
ACTION FRONT	Cook	90	5	92	89
ADVENTURE	Grant	88	8	90	85

<i>Name</i>	<i>Originator</i>	<i>Rating</i>	<i>Number Votes</i>	<i>High</i>	<i>Low</i>
ALBA SUPERBA	J. Sass	91	6	94	87
AMARANTH	Whiting	88	5	91	85
ANNABEL	Whiting	87	9	89	83
ANNE NEWHARD	Weisner	88	8	91	84
APHRA	Mitchell	85	5	86	82
APPOINTEE	White	88	5	90	84
ATHALA	Cayeux	86	17	92	82
ATROUS	Gage	88	10	92	80
BARKREST	Gage	85	5	89	83
BELLE COVERT	Lapham	85	18	89	82
BERTHA GERSDORFF	J. Sass	86	7	92	79
BLUE DELIGHT	Grant	89	7	90	87
BLUE SHIMMER	J. Sass	91	11	93	88
BLUE ZENITH	Whiting	88	9	91	84
BONNIE LASS	Douglas	86	10	89	80
BOSS	Washington	88	7	90	86
BRIGHT MELODY	Snyder	91	5	92	89
BROWN BONNET	Gage	87	5	93	85
BUCCANEER	Nesmith	87	5	88	87
BURNISHED COPPER	Grant	87	8	89	83
CALIFORNIA PEACH	Salbach	87	13	92	83
CAPITOLA	Reinelt	87	5	93	83
CAPRICCIO	DeForest	87	5	88	85
CAPTAIN WELLS	P. Cook	90	25	96	85
CEDAR ROSE	Whiting	88	22	91	84
CHICORY BLUE	Douglas	89	14	92	86
CHRYSOLITE	Milliken	90	9	95	87
CLARET VELVET	Weed	86	8	89	83
CLOVELLY	Tobie	79	6	89	70
COMRADE	Connell	87	11	90	79
COPPER PINK	Kellogg	89	17	91	85
COPPER ROSE	P. Cook	90	28	93	85
CORAL MIST	Grant	88	15	91	85
DAYBREAK	Kleinsorge	89	28	95	82
DAY'S FAREWELL	Milliken	85	14	88	80
DISPLAY	Grant	88	15	90	84
DORIS TAYLOR	Gage	85	5	87	80
EDGEHILL	Bent	84	6	88	80

<i>Name</i>	<i>Originator</i>	<i>Rating</i>	<i>Number Votes</i>	<i>High</i>	<i>Low</i>
EDNA HICKS	Gage	87	7	89	85
ELLA CALLIS	H. Sass	87	14	90	82
ELMOHR	Loomis	91	7	94	90
FAIR SKY	Grant	87	5	88	86
FIRECRACKER	Hall	88	5	90	86
FLORA ZENOR	J. Sass	88	22	93	74
FORT KNOX	Milliken	90	14	94	86
FORTUNE	Kleinsorge	87	12	90	82
FRANCONIA	Graves	91	19	94	89
FROSTY BLUE	Whiting	89	9	90	86
GILT EDGE	Whiting	87	17	89	80
GOLDEN EAGLE	Hall	89	14	92	82
GRAND CANYON	Kleinsorge	88	20	92	83
GREAT LAKES	Cousins	90	5	95	86
HARRIET FORDYCE	Weisner	86	5	87	85
HAZEL GALLAGHER	Gage	87	6	90	82
HOOSIER SUNRISE	Lapham	88	6	93	84
ICY BLUE	Weed	88	16	93	82
INDIANA NIGHT	Cook	92	10	95	88
INDIANA SUNSET	Lapham	86	12	92	78
INSPIRATION	Stevens	89	7	90	86
JOMAR	McKee	90	5	92	88
JONQUIL	Whiting	88	5	89	86
JOY	Carpenter	87	9	89	78
KATHERINE GAGE	Gage	88	6	90	85
KATHERINE LARMON	Graves	88	8	90	85
LA CANADA	Milliken	83	6	91	80
LADY NAOMI	Fay	87	9	90	85
LADY PRISCILLA	Gage	87	7	89	83
LAKE HURON	J. Sass	88	6	91	86
LATE SUN	DeForest	91	8	94	88
LEILANI	Washington	86	9	92	70
L. MORTON GAGE	Lapham	89	13	93	83
LOUISE BLAKE	Smith	91	5	95	89
MAJENICA	Cook	89	9	93	85
MARY VERNON	McKee	89	18	93	86
MELANIE	Hill	88	12	92	85
MELLOWGLOW	Whiting	90	12	94	84

<i>Name</i>	<i>Originator</i>	<i>Rating</i>	<i>Number Votes</i>	<i>High</i>	<i>Low</i>
MINNIE COLQUITT	H. Sass	89	8	90	87
MIRABELLE	Whiting	89	7	91	87
MISS BISHOP	J. Sass	88	8	92	80
MOKI	Thole	83	18	89	79
MOUNTAIN SKY	Milliken	89	10	94	83
MULBERRY ROSE	Schreiner	87	14	90	80
NED LEFEVRE	Lapham	89	7	90	86
NIGHTFALL	D. Hall	89	5	90	87
NOEL	White	90	8	92	85
NOONDAY SKY	Weed	88	5	89	86
NUTBROWN MAID	Nesmith	87	6	90	86
OLD ROSE	Sass	86	5	87	86
ORANGE GLOW	Cassebeer	89	5	92	88
PERSIAN PRINCE	H. Sass	89	13	91	87
PICOTEE	Connell	87	6	91	84
PINK MARVEL	Lapham	85	7	90	75
PINK REFLECTION	Cook	91	8	93	87
PLATINUM BEAUTY	Schreiner	85	6	89	80
PRISCILLA	Whiting	89	9	92	85
RAEJEAN	Whiting	88	18	91	82
REDWARD	Cook	89	5	90	88
REMEMBRANCE	Hall	88	5	90	85
ROSE BOWL	Milliken	87	7	89	80
ROOKWOOD	Wareham	85	16	94	78
ROSY TOP	H. Sass	89	5	91	87
ROUGE BOUQUET	Whiting	87	10	93	80
RUBIENT	Whiting	89	9	91	86
SAMOVAR	Hall	86	12	90	84
SEA BLUE	Whiting	86	10	89	82
SHANNOPIN	Pillow	88	6	90	83
SHARKSKIN	Douglas	88	6	89	86
SILVER LUSTRE	Carpenter	89	8	90	88
SNOW CARNIVAL	Graves	90	17	96	88
SNOW DROP	Douglas	87	14	90	84
SNOW VELVET	H. P. Sass	89	10	93	87
SPRING SECRETARY	White	86	7	95	79
STARBRIGHT	Douglas	85	9	91	80
STARDOM	Hall	88	8	90	85

<i>Name</i>	<i>Originator</i>	<i>Rating</i>	<i>Number Votes</i>	<i>High</i>	<i>Low</i>
STARLESS NIGHT	J. Sass	88	10	92	86
SUNDANCE	Nesmith	87	7	90	82
SUNDAY BEST	Grant	88	7	92	85
SUNGLEAM	Grant	86	7	89	83
SUNSET SERENADE	J. Sass	91	8	93	89
SUNSET TAN	Egelbert	88	5	90	86
SUNGOLD	Milliken	87	7	90	82
TAPESTRY ROSE	Hall	89	6	90	87
THE ADMIRAL	Hall	88	19	92	84
THE GUARDSMAN	Grant	88	6	93	85
THE PEARL	Gage	86	6	90	80
TISHOMINGO	Caldwell	90	13	91	87
VEISHEA	Whiting	89	7	93	84
VISION FUGITIVE	Wareham	87	7	96	79
WHITE CITY	Murrell	86	6	94	83
WILD ORCHID	Kellogg	86	6	88	85
WINTER CARNIVAL	Schreiner	89	16	95	83
WINTER SHADOWS	Peck	86	8	87	84

Siberian, Species, Hybrids, and Dwarfs

SHERRIFFA, <i>Once-bred</i>	White	87	5	90	82
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I have already sent my subscription through Mr. Fiedler, though I have had to turn my iris garden into a market garden for the duration. I'm growing a great many American vegetables—Lease-Lend seed—with great success and supplying your troops with the produce. Your boys are very popular here and have been doing wonderful work getting the harvest in.

Even so, it is pleasant to read the BULLETINS as they come in and to make plans for the—I hope—not very distant future.

ANGUS WILSON, Wiltshire, Eng.

COMMENTS ON VARIETIES

■ THE following varietal comments were received from the membership by the Awards Committee and the Editor. In many instances they were culled from letters and notes, and may therefore appear in a much abbreviated form.

ACROPOLE

Another of the blue Cayeux plicatas, which with ARIANE, ATHALA, and FLORENTINE might be called "The Four Horsemen." All of them are worth notice.—*K. D. Smith, Staten Island, N. Y.*

ACTION FRONT

Big, bright, and bold.—*E. G. Lapham, Elkhart, Ind.*

ADIOS

Such a late bloomer that very few people have seen it. I consider it one of the most colorful iris that I have seen; its only fault is that the branching is not too good.—*K. D. Smith, Staten Island, N. Y.*

ALBA SUPERBA

Fine new white in all respects. Up to the high Sass standard.—*Valeria Bonnell, Lincoln, Neb.*

Large white. Domed standards, flaring falls, heavy substance, abundant blooms, and well-branched stalks. Very superior.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

ALEPPO PLAIN

Creamy white plicata bordered with red-purple.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

AMARANTH

An odd color with a quiet haft. Needs sunshine to give it life.—*Eleanor Hill, Tulsa, Okla.*

ANNABEL

Clear forget-me-not blue. Firm standards, flaring falls, medium height and size. Full of bloom.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

ANNE NEWHARD

As this was grown in Mrs. Whiting's garden, I thought it one of the most finished iris I have seen. The medium-blue standards are slightly frilled with a fine hairline edge of deepest blue. The broad falls are of dark, very blue velvet. Not too large, not too tall, but of such exquisite detail and perfect coloring that I wrote "must have" beside its name and underscored it twice.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

A distinct iris with a wire edge of dark blue around the standards.—*Eleanor Hill, Tulsa, Okla.*

AUBANEL

Its color carries well across the garden. A good rose pink with a showy yellow throat.—*Valeria Bonnell, Lincoln, Neb.*

Still nearest to a true pink effect in the sunlight.—*F. W. Cassebeer, Blauvelt, N. Y.*

AZTEC GLORY

Fine color, exceptional branching, and an excellent doer.—*E. G. Lapham, Elkhart, Ind.*

BLACK VALOR

A fine, rich, dark iris with the coloring of its pollen parent, THE BLACK DOUGLAS, and the fine form and growing habits of its pod parent, VALOR.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

An extremely refined, medium-sized, dark blue iris.—*Eleanor Hill, Tulsa.*

BLUE SHIMMER

A large blue plicata. Heavily, but neatly colored. Stem is well branched—*Eleanor Hill, Tulsa, Okla.*

This unusual and charming iris was a favorite with all guests at the Sass gardens. It has attractive form and well-branched stalks; the flowers have a pure white base dotted with pure blue.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

Fine, big flower, pleasing in its simplicity of coloring. Very blue stippling, plentiful and nicely balanced, on a white background. Reminds one of a cool, formal summer dress, with good substance.—*Valeria Bonnell, Lincoln, Neb.*

A blue and white plicata that is different and very beautiful. The markings are fairly heavy on the white ground, but they are very blue, sharply defined, and arranged in a pleasing pattern.—*J. E. Wills, Nashville, Tenn.*

BLUE ZENITH

As I saw it in 1941, it was the finest branched and tallest of the new blue iris.—*R. L. Lyell, Auburn, Neb.*

BONSOR

Large fine blue. A much improved GAUDICHAU.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

A medium-sized bi-toned blue-purple with exceptionally fine finish and rich coloring.—*F. W. Cassebeer, Blauvelt, N. Y.*

BRIGHT MELODY

Form and substance excellent. Soft purple with velvet brushed on the falls.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

BROWN BONNET

Usually in irisdom, we associate brown as a rather dull color; this one is bright and gay.—*W. J. McKee, Worcester, Mass.*

BUCKSKIN

A smooth, even tan of very fine form and substance.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

A fine bold golden tan blend which seems to have escaped the notice of many iris fanciers.—*F. W. Cassebeer, Blauvelt, N. Y.*

BURNISHED COPPER

This variety is a fine addition to the copper-toned class—*W. J. McKee, Worcester, Mass.*

BUTTERCUP LANE

One of the most effective clumps in the garden.—*K. D. Smith, Staten Island, N. Y.*

CALIFORNIA PEACH

An impressive blend from the Pacific Coast. The flower is large and well-proportioned and the apricot-peach tones are enlivened by a bluish iridescence on the center of the fall. It grew excellently for me.—*Stedman Buttrick, Concord, Mass.*

CAPITOLA

I believe this retains the desired form of *I. gatesii* even more than does its parent, WILLIAM MOHR. With me, it is also a better grower.—*James F. Allum, El Monte, Cal.*

CAPT. WELLS

Glorification of CRIMSON SUN.—*E. G. Lapham, Elkhart, Ind.*

CEDAR ROSE

A lovely blending of color which held my gaze each time I ran across it. The effect is very rich.—*Valeria Bonnell, Lincoln, Neb.*

A smooth, fine iris. Deep rose red falls shading to lighter edge. Firm, domed standards in perfect proportion to the broad, semi-flaring falls. Good substance, well-branched stalks.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

Very interesting as seen on a first-year plant. Both form and branching promise to be good, and the name is really descriptive of the color.—*J. E. Wills, Nashville, Tenn.*

CHICORY BLUE

Well named for color; a self of large size and unusual beauty of form and color.—*W. J. McKee, Worcester, Mass.*

CHRISTABEL

As grown by me, it is the perfect garden red. It has height, stamina, and the bloom lasted over a considerable period of time and was selected by most visitors as their favorite.—*K. D. Smith, Staten Island, N. Y.*

CHRYSOLITE

A warm cream with the flaring form of its parent, EASTER MORN. The color deepens in the center of the flower and is set off with a bright orange beard.—*James F. Allum, El Monte, Cal.*

CLARET VELVET

The pet in the National Gardens in Portland. Beautiful color, but a short stem. If one wants such a color accent in the garden, it would make a perfect focal point. Texture, good.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

COMRADE

This is a soft brown-rose with a blue flush below the beard. The color is soft rather than brilliant, but is attractive. It is of medium height and good branching. The form is fair, with closed standards and broad, semi-flaring falls. The standards are somewhat short, however, so that the effect of the flower is a little bit squatty.—*J. E. Wills, Nashville, Tenn.*

COPPER PINK

Decidedly a pink effect and should make an outstanding clump.—*K. D. Smith, Staten Island, N. Y.*

A very fine deep pink blend.—*E. G. Lapman, Elkhart, Ind.*

A nice new pink, just the least bit marred by too conspicuous brown markings to either side of the haft. Many of the new pinks have these same brown markings in greater or lesser degree.—*J. E. Wills, Nashville, Tenn.*

COPPER ROSE

Splendid bright copper flushed rose red.—*E. G. Lapman, Elkhart, Ind.*

One of the best new iris seen this year. Between a pink and a red, with a copper glew shining through it. It is slightly bicolor. The smooth color carries well, and the flower should stand out in any company.—*J. E. Wills, Nashville.*

A fine iris in every way and one of the finest new things I saw this year.—*W. J. McKee, Worcester, Mass.*

COQUETRY

Performed excellently in spite of heavy autumn rainfall. Blossoms have excellent substance and stand up well in high wind.—*Eleanor Hill, Tulsa, Okla.*

CORAL MIST

An ingratiating iris of gracefully flaring form. It gives a delicious cinnamon-pink effect as a clump and makes many of the newer big pink-toned iris look over-blown and somewhat slovenly.—*Stedman Buttrick, Concord, Mass.*

A large flower, beautifully poised on the stalk. Subdued in color tone.—*F. W. Cassebeer, Blauvelt, N. Y.*

CORITICA

An excellent plicata. Far superior to ROYAL COACH.—*Eleanor Hill, Tulsa.*

COSETTE

Beautiful form in a good, white intermediate.—*Valeria Bonnell, Lincoln.*

DAYBREAK

The best deep pink blend; has color and everything else.—*E. G. Lapman, Elkhart, Ind.*

Apparently did well everywhere. Good form and substance, a good stalk, and nice salmon-pink color. Everybody seems to like it.—*J. E. Wills, Nashville, Tenn.*

A golden coppery pink of fine quality and splendid carrying value.—*W. J. McKee, Worcester, Mass.*

An appealing blend. Not at all pink in effect as is often described, but rather a coppery salmon.—*F. W. Cassebeer, Blauvelt, N. Y.*

DAY'S FAREWELL

A strongly colored rose-lavender blend; good carrying quality; straight hanging falls; tall, strong stalk. Very fine.—*Hubert A. Fischer, Lombard, Ill.*

DEEP VELVET

Ten to 11 buds to a stalk. A beautifully shaped flower with fine substance.—*Eleanor Hill, Tulsa, Okla.*

DIRECTEUR PINELLE

I like this beautiful rich-toned iris more each year. It's the most popular iris in my garden.—*James F. Allum, El Monte, Cal.*

DISPLAY

Especially brilliant on a dull day and is aptly named.—*K. D. Smith, Staten Island, N. Y.*

A splendid dark red, the second best CHRISTABEL seedling I have seen among hundreds of its seedlings; on a two-year plant I may conclude it is the best.—*E. G. Lapham, Elkhart, Ind.*

This is a very smooth red, which is rich rather than brilliant since it is no brighter in sunlight than it is in shadow. Under any light, however, it stands out in an impressive way. It is almost an absolute self, with the standards the same depth of color as the falls. An orange beard helps to make it distinctive.—*J. E. Wills, Nashville, Tenn.*

EDNA HICKS

Very good violet self.—*E. G. Lapham, Elkhart, Ind.*

ELLA CALLIS

Long falls with a good bit of veining which does not add to its beauty.—*Eleanor Hill, Tulsa, Okla.*

Another fine, deep yellow that can keep up with any of them.—*Valeria Bonnell, Lincoln, Neb.*

A very large, very tall iris, yellow with reddish orange brushed on the semi-flaring falls.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

ELLEN NESSEL

A yellow with tiny white midrib.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

ELMOHR

I consider this the outstanding iris of the year. It is by far the best of the WILLIAM MOHR seedlings, different in coloring, being more on the red side.—*K. D. Smith, Staten Island, N. Y.*

By far the best of the seedlings of WILLIAM MOHR, in my opinion. Rich in color, charming in pattern, and delightfully gay and jaunty in form. A large flower with standards slightly ruffled and a bit revolute, and falls that are rounded, tapering just a trifle at the lower edge, and set so debonairly that they add much to the charm of the flower.—*Mrs. F. H. Clutton, Highland Park, Ill.*

One of the most impressive new iris of the year. It has more red in it than any of the WILLIAM MOHR progeny, and has better form for its size than any of the others.—*F. W. Cassebeer, Blauvelt, N. Y.*

ELSA SASS

Cannot, of course, be confused with any other. I wish it were a little better; color is its big asset, and texture is good.—*Mrs. G. A. Krause, Klamath Falls.*

Fine as an exhibition stalk, but poor as a clump for garden effect.—*K. D. Smith, Staten Island, N. Y.*

FAIR ELAINE

Its only fault was blossoms a bit small for a stem of such height and width of branching.—*Eleanor Hill, Tulsa, Okla.*

I was more favorably impressed with this iris this year than heretofore. Not as flashy a flower as some of its competitors, but is beautifully formed and can stand close inspection.—*F. W. Cassebeer, Blauvelt, N. Y.*

FLORA CAMPBELL

I checked it in every place I saw it — not unlike others, but it always attracted me.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

FLORA ZENOR

I call it "pink chiffon." Once seen, it will not easily be forgotten, but perhaps it is too feminine. MELITZA looks wishy-washy beside it, but it, too, draws one's attention in a garden of vivid color.—*Mrs. G. A. Krause, Klamath Falls.*

A plant with stem and blossom faults, which will be forgiven because of its unusual color.—*Eleanor Hill, Tulsa, Okla.*

The background of this iris is pale, cameo pink. Standards, smooth and light. Lines of rosy color on the haft. Size and height medium.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

Not much to commend it except its interesting color. An intermediate step in breeding rather than a finished product.—*F. W. Cassebeer, Blauvelt, N. Y.*

FORT KNOX

A yellow of good color and splendid carrying power. The most free-blooming of any yellow I have seen to date.—*James F. Allum, El Monte, Cal.*

An even light yellow self which can be considered an improved CHOSEN. The name is misleading since it brings to mind a bright golden yellow.—*K. D. Smith, Staten Island, N. Y.*

FRANCONIA

A very outstanding white of perfect form and smooth finish.—*W. J. McKee, Worcester, Mass.*

FROSTY BLUE

Ten buds; a fine well-proportioned stem and a lovely frosty blue color. — *Eleanor Hill, Tulsa, Okla.*

FULL MEASURE

I liked this iris on a one-year plant at Spartanburg, S. C. I would say it was one of the better yellows.—*K. D. Smith, Staten Island, N. Y.*

GARDEN FLAME

A rich, garnet red which carries well to a distance; beautiful form.—*Valeria Bonnell, Lincoln, Neb.*

A most superior flower. I happened to be at Midwest Gardens the morning it first bloomed, a medium-sized iris on a modest stalk. However, Mr. Sass pointed out its possibilities even then. Now, in its maturity, it grows on tall, splendidly branched stalks. The ruffled, domed standards are of soft rose red with the least hint of a blue (not purple) haze. The exquisite velvety falls are an even deep rose red without a line on the smooth haft. A distinct addition to any garden.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

A fine red. It may not be the most brilliant red, but its form, size, substance, and stalk are all excellent.—*W. J. McKee, Worcester, Mass.*

GARDEN GLORY

A dark red with a clean haft and good substance. Has unusual finish.—*Eleanor Hill, Tulsa, Okla.*

GARDEN MAGIC

One of the best reds; has less of the purple influence; large and very velvety.—*Valeria Bonnell, Lincoln, Neb.*

GAYOSO

A brilliant GOLDEN HIND seedling that hits you in the eye and carries the whole length of the garden. It has height, branching, and stamina, and is something entirely different in yellows. It should go places.—*K. D. Smith, Staten Island, N. Y.*

A very rich GOLDEN HIND seedling. The deepest, richest yellow that I have seen that does not have any suggestion of orange or brown about it. It is a good-sized flower, on a nice stalk.—*J. E. Wills, Nashville, Tenn.*

GLEN ELLEN

The best of the tan iris to come from the East. It seems to do as well as many of our California originations.—*James F. Allum, El Monte, Cal.*

A most unusual yellow with a bronzy tan overlay, good substance, and a fine stalk. The outstanding feature is the beautiful form of the long flower. An iris you won't forget.—*Hubert A. Fischer, Lombard, Ill.*

GOLD DOME

In the same color range as GOLDEN FLEECE, but not so good.—*Eleanor Hill, Tulsa, Okla.*

GOLDEN AGE

Stems tall but poorly branched.—*Eleanor Hill, Tulsa, Okla.*

GOLDEN EAGLE

A huge bright yellow displayed to much advantage.—*E. G. Lapham, Elkhart, Ind.*

A very large medium yellow. A self with flaring falls and sturdy well-branched stalk. This iris will be popular.—*Hubert A. Fischer, Lombard, Ill.*

A big, brilliant, unusual yellow with a satiny finish. Its peculiar quality seems to be that it puts intensity and brilliance into a light, clear yellow without any hint of orange or amber.—*J. E. Wills, Nashville, Tenn.*

It is difficult to decide which of the new deep yellows is at the top of the class, but GOLDEN EAGLE is a strong contender for high honors.—*W. J. McKee, Worcester, Mass.*

GOLDEN MAJESTY

I believe this is the finest all-around deep yellow I have seen so far.—*James F. Allum, El Monte, Cal.*

Splendid.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

An exceptionally fine iris, and I believe one of the classics of irisdom.—*W. J. McKee, Worcester, Mass.*

Besides its other good qualities, it is worth noting that this variety has an exceptionally long season of bloom.—*F. W. Cassebeer, Blauvelt, N. Y.*

GOLDEN SPIKE, GOLDEN MAJESTY, SPUN GOLD

These three top-notch yellows cannot be easily compared. **GOLDEN SPIKE** excels in brightness, **GOLDEN MAJESTY** in evenness of color, and **SPUN GOLD** in substance, finish, and prodigality of bloom. **YELLOW JEWEL** gives them a good run on all counts, and for clarity of color and boldness of carriage, I would put Mr. Milliken's very flaring **FORT KNOX** at the top of them all.—*Stedman Buttrick, Concord, Mass.*

GOLDEN SPIKE

Such a robust grower that it must be divided each year; otherwise, in the East and South, it sends up only stunted bloom stalks. When grown as an exhibition stalk, or in a clump that has been divided, it is magnificent.—*K. D. Smith, Staten Island, N. Y.*

Lovely, showy yellow that catches the eye in the garden.—*Valeria Bonnell, Lincoln, Neb.*

Form, color, and brilliant beard—all tops.—*Mrs. M. A. Tinley, Council Bluffs.*

A rich, warm, lustrous yellow with emphasis on color.—*W. J. McKee, Worcester, Mass.*

GRAND CANYON

Seen and liked at several places. It is a rather dark mixture of copper and purple, with a bright flush of blue on the falls. It seemed to retain its color as the blooms grew older instead of looking dirty as some other flowers in this color group have a habit of doing.—*J. E. Wills, Nashville, Tenn.*

GRAY DAZE

A tall bearded seedling, giving the effect of Clarence White's oncobreds. Will not be liked by all, but is distinctly a collector's item.—*K. D. Smith, Staten Island, N. Y.*

GREAT LAKES

I have watched this Canadian iris for two years in Southern California, and for it to perform so well this far away from its home, and under such different climatic conditions, speaks well for its worth. It holds up well even in our hot sun and seems to be a reliable bloomer.—*James F. Allum, El Monte, Cal.*

Can be no better in substance, form, and branching, but I wish the flowers were a little larger. I saw this in three places.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

A superb iris. It has all that **SHINING WATERS** has, plus hardiness and even better height.—*Valeria Bonnell, Lincoln, Neb.*

Originated by L. W. Cousins; a very fine iris and well worthy of the honor of winning the Dykes Medal.—*W. J. McKee, Worcester, Mass.*

GUN METAL

Very appropriately named. A very tall yellow (five feet, it seemed, in Mr. Brehm's garden). Would make a marvelous iris for a distant garden spot, but it could be planted behind some others and still be a "golden skyscraper."—*Mrs. G. A. Krause, Klamath Falls, Ore.*

HI HO

The first blooms of this big yellow bicolor of Dr. Graves seemed a bit disappointing as to form, the falls tending to tuck; later blooms during better weather corrected this impression. Its substance was excellent, but its color suffered by comparison with a nearby clump of FAIR ELAINE.—*Stedman Buttrick, Concord, Mass.*

HONEY CHILE

Coarse red veining, which extends down the falls; not a clean yellow.—*Eleanor Hill, Tulsa, Okla.*

HOLDEN

Here was a real thrill, a bicolor with velvety dark red falls overlaid with a strong suggestion of rich brown. A complete absence of veins. A heavy orange beard lights the flower. The standards are slightly lighter than the falls. The substance is excellent and the form perfect. I look forward to seeing this again.—*Hubert A. Fischer, Lombard, Ill.*

HOOSIER SUNRISE

A bright-colored pink that performs exceptionally well and, I believe, is Mr. Lapham's best pink.—*W. J. McKee, Worcester, Mass.*

A distinct and attractive blend of bright mauve and yellow.—*F. W. Cassebeer, Blauvelt, N. Y.*

ILSE LOUISE

This is a plicata with fairly heavy lavender marks on white. These markings are laid on in a very symmetrical, even way. The color is also pleasing. It has been compared with ARIANE, but to me it seems entirely different.—*J. E. Wills, Nashville, Tenn.*

INDIANA NIGHT

SABLE glorified.—*E. G. Lapham, Elkhart, Ind.*

INVICTUS

Fine form and stalk, good growing habits. Flowers a deep mustard yellow.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

JASPER AGATE

This is a well-formed, well-branched, rich red-brown. It might be compared to SONNY BOY, but is larger, smoother, and has much more intense color.—*J. E. Wills, Nashville, Tenn.*

One of the three finest undisseminated varieties that I saw in my 1942 iris pilgrimage.—*K. D. Smith, Staten Island, N. Y.*

A gem for color — coppery red-brown with smooth, velvety falls.—*F. W. Cassebeer, Blauvelt, N. Y.*

JUNALUSKA

Still right up front with the best of them. Too bad it was not voted the Dykes Medal.—*Hubert A. Fischer, Lombard, Ill.*

KATHERINE GAGE

Excellent deep blue.—*E. G. Lapham, Elkhart, Ind.*

KATHERINE LARMON

A tall, well-branched yellow blend. Buff yellow standards with the same color in the falls blended with pinkish lavender.—*J. E. Wills, Nashville, Tenn.*

L. MERTON GAGE

A very fine pink blend named after one of our outstanding hybridizers.—*W. J. McKee, Worcester, Mass.*

LAKE HURON

Bluer than most of the blues.—*Valeria Bonnell, Lincoln, Neb.*

Rich, deep blue. Some visitors thought it the bluest yet. Broad, velvety falls.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

This was seen only once on a first-year plant, and in the evening when blues look their best. Nevertheless, it seemed very blue, much more so than the average. It is a bicolor, with some velvet on the falls, medium in depth, but by no means a dark iris. The haft did not seem quite as clean as it might be.—*J. E. Wills, Nashville, Tenn.*

LATE SUN

Very large, deep, rich, uniform yellow with an orange beard. Heavy substance and fine stalk.—*Hubert A. Fischer, Lombard, Ill.*

LEILANI

This is the seedling of Mrs. Washington's, undoubtedly from MELITZA, which attracted such attention the last day of the Nashville meeting. It is another example of the distinctive new type of pink which is beginning to pop out everywhere. They are not all alike in color, but belong in the same class, and are variously described as cameo pinks or coral pinks. Mr. Hall calls some of his new ones "Flamingo pinks." They all have unusual orange-pink or "tangerine" beards. LEILANI, Venetian pink according to Ridgeway, is a smooth, clear, orange-pink in the standards; in the falls the same color is overlaid all the way down with a network of venations in a deeper tone of the same shade. The form and stalk are good.—*J. E. Wills, Nashville, Tenn.*

A MELITZA seedling of deeper salmon coloring that should be of real interest to breeders trying for pinks.—*W. J. McKee, Worcester, Mass.*

Another one of those fascinating pink color breaks which seems to be cropping up among the seedlings of our leading hybridizers. Like the others, it could well have been bred one generation further before introduction.—*F. W. Cassebeer, Blauvelt, N. Y.*

LOUISE BLAKE

This iris from MME. MAURICE LASSAILLY $\times$ WABASH is really what MME. MAURICE is sometimes described as being: an improved and larger AMIGO. There is an equally sharp contrast between the palest blue standards and the very dark, very rich blue-purple falls with a thin light edge. The stalk is of medium height and the good-sized flower has attractive ruffled form. The branching promises to be very good.—*J. E. Wills, Nashville, Tenn.*

On a first-year plant, this new amoena appeared to be a contender for honors in this class.—*W. J. McKee, Worcester, Mass.*

LOUVOIS

Not tall, but has rich, deep coloring and good substance. More like an oriental rug than SHIRVAN. Very hardy.—*Valeria Bonnell, Lincoln, Neb.*

We could use an iris of the coloring with larger blossoms and better stalk.—*F. W. Cassebeer, Blauvelt, N. Y.*

MARY E. NICHOLS

Excellent. Has a smooth haft.—*Eleanor Hill, Tulsa, Okla.*

MARY VERNON

A well-branched variegata of medium size. It has attractive flaring form. It is a blended variegata with buff standards mixed with rose, and almost horizontal falls of red with a yellow edge.—*J. E. Wills, Nashville, Tenn.*

A nice, pert blended variegata with good garden effect.—*F. W. Cassebeer, Blauvelt, N. Y.*

MATA HARI

Valuable for its very late blooming season.—*Valeria Bonnell, Lincoln, Neb.*

MAYA

One of the most admired reds in my garden. Its blended standards lack the dullness that the standards have in many reds of its type.—*Valeria Bonnell, Lincoln, Neb.*

MELANIE

Nebraska winters and spring winds will give any iris a real tryout, and that is where this large pink really shines. Very tall, fine form, good color, very little blue.—*R. L. Lyell, Auburn, Neb.*

A tall new pink which has good size, form, branching, and substance. It is more of a lavender or orchid-pink in a medium depth of tone, however, than the other new pinks.—*J. E. Wills, Nashville, Tenn.*

MELITZA

I like this one more each year, and no recent introduction I know of has had more favorable comments from iris breeders.—*W. J. McKee, Worcester, Mass.*

MELLOWGLOW

A rich, peachy blend. Exquisite, ruffled form, fine substance, good branching and growing habits. One of the best.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

MING YELLOW

I wanted to vote for this for the Dykes Medal when I saw it growing so beautifully in Mr. Norton's garden. One stalk was as perfect as an artist could draw an ideal iris stalk.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

Huge, finely shaped flowers of as brilliant a yellow as GOLDEN HIND.—*Valeria Bonnell, Lincoln, Neb.*

MINNIE COLQUITT

A substantial-looking plicata of white with a striking purple border. —*Valeria Bonnell, Lincoln, Neb.*

Another of the fine Sass plicatas. Wine red on white, attractive ruffled form. A sturdy grower.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

The bright purple border gives it the sharpest contrast of any plicata that I have seen. Cannot fail to attract attention.—*F. W. Cassebeer, Blauvelt, N. Y.*

MISS BISHOP

Excellent substance.—*Valeria Bonnell, Lincoln, Neb.*

A white of heavy substance with yellow on the haft. It has the summer freshness of a bunch of Shasta daisies.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

MONADNOCK

Its color carries well across the garden.—*Valeria Bonnell, Lincoln, Neb.*

MOUNTAIN SKY

An exceptionally fine medium blue that performs well in Eastern gardens.—*W. J. McKee, Worcester, Mass.*

MULBERRY ROSE

Blossoms of fine substance, attractive color and good shape. Performed well when many others did not. Has a strong enough stem to stand up in high winds without staking.—*Eleanor Hill, Tulsa, Okla.*

This name does not evoke much idea of the actual color. A bright rose-purple, with much more purple than rose. A rather startling big flower which hits you in the eye. It should be very popular.—*J. E. Wills, Nashville, Tenn.*

NIGHTFALL

Velvety blackish purple falls and somewhat lighter standards. The flower is brightened by a rich orange beard. The unusually fine substance and deep color, plus complete lack of veining, make this outstanding.—*Hubert A. Fischer, Lombard, Ill.*

A free-blooming intermediate with rich coloring. I believe it to be one of Mr. Hall's best.—*F. W. Cassebeer, Blauvelt, N. Y.*

NOEL

A grand white iris especially distinctive in the Fishburn garden.—*K. D. Smith, Staten Island, N. Y.*

A warm white of splendid form and with the best substance I have observed in the white iris.—*W. J. McKee, Worcester, Mass.*

NOONDAY SKY

As a small clump with three bloom stalks in my garden, it created considerable interest. It had stamina, branching, and the flowers lasted over a long period of time. One of the better blues.—*K. D. Smith, Staten Island, N. Y.*

Very large lavender blue. Fine form and substance. Sturdy growth and fine stalk. It is a "must" if you like blues.—*Hubert A. Fischer, Lombard, Ill.*

OLD PARCHMENT

Has fine texture, but I find it differs so in color in different localities. I was very much taken with it a few years ago, but somehow, it does not wear well.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

A good iris with an intriguing color both in a newly opened blossom and when fully matured, although these are entirely different.—*F. W. Cassebeer, Blauvelt, N. Y.*

ORANGE FLAME

Even better than its pollen parent, RADIANT, which it greatly resembles.—*James F. Allum, El Monte, Cal.*

Nearer to the coloring of AT DAWNING than RADIANT. A fine, large flower. One of Mr. Salbach's best.—*F. W. Cassebeer, Blauvelt, N. Y.*

ORANGE GLOW

This resembles one of its parents, RADIANT, to some extent, but is larger, taller, and has more orange and copper about it. It seems to be a good grower, has nice form and a good stalk. I saw three new iris this year which might be grouped together in the same color class: COPPER ROSE, JASPER AGATE, and ORANGE GLOW. Each seems to me, however, to be distinct and different enough to be worth while. COPPER ROSE has a little more of the rose or pink in its color; JASPER AGATE is more bright red-brown, while ORANGE GLOW has the most copper of the three.—*J. E. Wills, Nashville, Tenn.*

I consider this one of the finest copper blends; a very bright color and smooth finish.—*W. J. McKee, Worcester, Mass.*

PERSIAN PRINCE

Very similar to CITY OF LINCOLN.—*Eleanor Hill, Tulsa, Okla.*

Even clearer colors than CITY OF LINCOLN.—*Valeria Bonnell, Lincoln, Neb.*

Not quite so tall as CITY OF LINCOLN, and with only a suggestion of the yellow edge, but brilliant in its coloring and a vigorous bloomer.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

PICOTEE

A soft blue and white plicata, excellent in clump and especially delightful as a cut stalk. I have watched this iris for the past three years, and it pleases me very much.—*K. D. Smith, Staten Island, N. Y.*

PINK PERFECTION

The best medium pink blend, a lovely thing; very outstanding.—*E. G. Lapham, Elkhart, Ind.*

POT O'GOLD

An excellent stem bearing 11 buds.—*Eleanor Hill, Tulsa, Okla.*

As grown in trial garden, it is tops in the darker yellows. Only a one-year plant, but has plenty of branching and is tall enough for most; will absolutely hold its color until it falls. Darker than GOLDEN HIND.—*R. L. Lyell, Auburn.*

PRAIRIE SUNSET

With all its ballyhoo, it is one of the few iris that really has lived up to expectations. It is at its best in a large clump and is especially fine when grouped with yellows as foils.—*K. D. Smith, Staten Island, N. Y.*

PRISCILLA

A white that is really white. A well-shaped flower with rounded, flaring falls. The stalk on a new plant looked very promising. Want to see this again when better established.—*Hubert A. Fischer, Lombard, Ill.*

RADIANT

I find myself looking forward more and more each year to its blooming. It is an iris of great carrying power in the garden.—*James F. Allum, El Monte.*

RED AMBER

A cool, pleasing color, and excellent all-around qualities.—*E. G. Lapham, Elkhart, Ind.*

A deeper, redder ROSY WINGS.—*F. W. Cassebeer, Blauvelt, N. Y.*

RED GLEAM

Bright and cheerful with one or two stalks, but rather overpowering as a clump with so much profusion of bloom. For clump iris it is necessary that foliage should show among the bloom; otherwise, the effect of too much color is overpowering.—*K. D. Smith, Staten Island, N. Y.*

REMEMBRANCE

Very pleasing and large yellow-pink blend.—*E. G. Lapham, Elkhart, Ind.*

A soft pink blend with a suffusion of pale yellow; well branched. Makes a lovely spot of color.—*Hubert A. Fischer, Lombard, Ill.*

ROSE BOWL

Evidently a CHINA MAID seedling, but much more rosy in color. The standards have more strength than do those of CHINA MAID. Should be popular.—*James F. Allum, El Monte, Cal.*

ROSY WINGS

Each year that it blooms, I like it better. I like the fine, smooth color, form, and general habit.—*Hubert A. Fischer, Lombard, Ill.*

ROUGE BOUQUET

Fine, domed standards; broad, velvety falls. Three tones of red. Darker in center of falls shading to a lighter edge. Very lovely in Mrs. Whiting's garden beside GARDEN FLAME.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

ROYAL COACH

Appeals to me most of the plicatas, but Mr. DeForest has a beautiful, more pale seedling that I like the very best of all.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

RUBIENT

An individual iris in the red class. Has a paler edge around falls which it inherits from WINNESHIEK, one of its parents. A good stem, but blossom is a bit small.—*Eleanor Hill, Tulsa, Okla.*

Tall, well-branched stalks, lovely form. Arched, domed pansy purple standards. Dark, velvety falls with border like standards. A favorite with all.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

RUBY GLOW

(An intermediate.) Mr. Schreiner has introduced some fine intermediates and RUBY GLOW is a top-notch in this class.—*W. J. McKee, Worcester, Mass.*

SABLE

If this black-toned iris will always do as well in Southern California as I saw it this year, I shall be delighted. I am partial to the rich dark-toned iris, anyway, and if I had seen it more than this one year, it would have received my vote for the Dykes Medal.—*James F. Allum, El Monte, Cal.*

Fine color, but wherever I saw it, I wished it were better in form and branching.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

One of the best for dark coloring; good in all other respects.—*Valeria Bonnell, Lincoln, Neb.*

Arresting in its depth of color, even to the beard.—*Hubert A. Fischer, Lombard, Ill.*

SAILOR BOY

A bright, flaring red, of medium height and size. A perky, attractive flower of good color.—*J. E. Wills, Nashville, Tenn.*

SALAR

Probably not everyone's dish, but the substance seemed good for so huge an iris, and I was more attracted than repelled by its odd and slightly murky salmon and cream coloring.—*Stedman Buttrick, Concord, Mass.*

SAMOVAR

Rich coppery burnt orange. A bright spot in the garden.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

SEA BLUE

Very much like BLUE ZENITH.—*Eleanor Hill, Tulsa, Okla.*

SHARKSKIN

A very well-tailored warm white of good size, appealing form, and fine branching. It should be an excellent garden iris.—*Stedman Buttrick, Concord.*

SHERIFFA

I have not checked its parentage, but to me it shows definite *Regelia* characteristics, although on tall, well-branched stems. The falls have the rather pointed form of *I. korolkowi*, and a rich velvety blackish color which is hard to describe. An iris to be watched.—*James F. Allum, El Monte, Cal.*

SIERRA BLUE

I never grow tired of seeing this fine blue.—*James F. Allum, El Monte, Cal.*

SILVER LUSTRE

An attractive flaring lavender-blue with good substance and good branching. The beard seems to be the same color as the flower. There are several new light blues that have a gray-lavender cast, but this is perhaps the best of them.—*J. E. Wills, Nashville, Tenn.*

SNOQUALMIE

Smooth cream color; form and substance fine.—*Hubert A. Fischer, Lombard, Ill.*

SNOW CARNIVAL

In a large clump in Mrs. Blake's "Hall of Fame," it was truly outstanding, and I consider it one of the best garden whites. As an exhibition stalk, it is not so good for the falls pinch, but this is not noticeable in a clump effect.—*K. D. Smith, Staten Island, N. Y.*

The twisting pinch in the flaring falls of this striking "cold" white seems to me less a defect than a positive enhancement to the vibrant effect of the huge flower.—*Stedman Buttrick, Concord, Mass.*

A nice white that makes an attractive clump. Its ruffles remind one of SNOW FLURRY, but it is whiter and better branched, and the ruffles are bigger. They might even be described as flounces.—*J. E. Wills, Nashville, Tenn.*

SNOW FLURRY

Splendid.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

The stalk is rather short branched, but the ruffled flowers are beautiful.—*Hubert A. Fischer, Lombard, Ill.*

SNOW VELVET

Pure white of heavy substance. Slightly ruffled, a touch of yellow on the haft. Very heavy bloomer. Most desirable.—*Mrs. M. A. Tinley, Council Bluffs.*

SOME LOVE

This and NELSON OF HILLY I believe to be the two most outstanding of Mr. White's onco hybrids.—*James F. Allum, El Monte, Cal.*

SONG OF GOLD

A little talked-about light yellow that seems to do well everywhere and that always looks smooth, fresh, and clean.—*Stedman Buttrick, Concord, Mass.*

SOQUEL

This and ORMOHR are the two best of the WILLIAM MOHR seedlings as far as reliability is concerned; ORMOHR is the taller of the two, but SOQUEL is, with me, the more reliable bloomer.—*James F. Allum, El Monte, Cal.*

SPRING PROM

Unusually fine branching; huge flowers; sturdy, big plants, and a reliable bloomer.—*Valeria Bonnell, Lincoln, Neb.*

SPRING SECRETARY

Tan with rose and olive green flush in the falls. Similar to CAPRI, but better branched and more free-blooming.—*James F. Allum, El Monte, Cal.*

SPUN GOLD

I saw this iris for the first time this year and am glad to be able to report that it lived up to its advance notices. It is always a pleasure not to feel "let down" when first viewing a highly publicized variety.—*James F. Allum, El Monte, Cal.*

Bloomed in my own garden this year. I saw it two years ago, and it more than came up to expectations.—*Hubert A. Fischer, Lombard, Ill.*

STARDOM

In a clump the flowers appear rather bunched, but give a very unusual color effect. The color is difficult to describe, being a blending of coppery gold and tangerine.—*Hubert A. Fischer, Lombard, Ill.*

Wonderful color and long season of bloom.—*F. W. Cassebeer, Blauvelt, N. Y.*

STARLESS NIGHT

One of the very darkest purplish reds or blackish reds.—*Valeria Bonnell, Lincoln, Neb.*

Best of the smooth, wine reds. Fine form and substance.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

SUNDANCE

Not unlike MARY GEDDES in color, but with less veining. Stem not so good as MARY GEDDES.—*Eleanor Hill, Tulsa, Okla.*

SUNSET SERENADE

A lovely, showy, yellow-tan.—*Valeria Bonnell, Lincoln, Neb.*

Probably the best to date of the PRAIRIE SUNSET seedlings. A rich blend of pink and gold.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

SUNSET TAN

A fine, large blend of sunset colors. Heavy substance, cupped standards, broad falls. Iridescent pink and gold, darker lines on the haft and a hint of blue on the midrib.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

TAPESTRY ROSE

If you are one who likes blends, this iris will appeal to you with its soft old rose coloring, good substance, and well-branched stalk.—*Hubert A. Fischer, Lombard, Ill.*

THE ADMIRAL

A nearly perfect iris, luscious color, fine form of flower, but top branched and flowers bunch. The hybridizer that can add to this iris the branching and flower proportion of EASTER MORN will have the perfect blue.—*K. D. Smith, Staten Island, N. Y.*

THREE SISTERS

A rose and white amoena in Mr. DeForest's planting at Alpine. Had the third perfect stalk I saw on my travels.—*Mrs. G. A. Krause, Klamath Falls.*

TIFFANY

Excellent increase, hardy, catches the eye of visitors; blooms over a long period.—*Valeria Bonnell, Lincoln, Neb.*

TISHOMINGO

It seems to have about everything — unusually cool, clean, and appealing color that sets it well apart from the ordinary run of wistaria blues and blue lavenders, handsomely poised and shaped flowers of exceptional smoothness and substance, fine branching, and good growing habits. Congratulations to Mr. Caldwell on a first introduction that should prove to be a very superior garden iris.—*Stedman Buttrick, Concord, Mass.*

One of the outstanding 1942 introductions in a new color field.—*K. D. Smith, Staten Island, N. Y.*

Without a doubt one of the loveliest iris I have seen this year.—*Ilse C. Smith, Staten Island, N. Y.*

TOBACCO ROAD

Will hold favor longer than OLD PARCHMENT, though it is queer.—*Mrs. G. A. Krause, Klamath Falls, Ore.*

TOUCH O'BLUE

This large white, which gets its name from the delicate flush of blue around the haft, has a pleasing form with broadly spreading falls and ample substance. The flowers are nicely spaced and poised.—*Mrs. F. H. Clutton, Highland Park, Ill.*

TRINKET

Dwarf iris should not be neglected in listing variety notes as they have a real garden value. TRINKET is a fine yellow and is a real addition to the dwarf section.—*W. J. McKee, Worcester, Mass.*

VEISHEA

Nice color.—*Eleanor Hill, Tulsa, Okla.*

Another fascinating blend of ruffled form and good substance. Gleaming sunset colors on coppery tan with a soft blue blaze on the falls.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

VIIPURI

A lovely new amoena. Tinted standards, light purple falls, with lighter border.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

WAVERLY

A clear, pure blue that harmonizes well with other colors and wears well with the gardener.—*Valeria Bonnell, Lincoln, Neb.*

WINTER SHADOWS

A pale gray-blue, more gray than blue, with darker markings on the haft. It suggests shadows on snow.—*J. E. Wills, Nashville, Tenn.*

CALDWELL No. 2-1A

A well-formed iris of distinctive coloring. Has golden yellow standards and cream falls faintly veined with a reddish brown. It has an air of delicacy and refinement.—*F. W. Cassebeer, Blauvelt, N. Y.*

COOK No. 442

PRAIRIE SUNSET and STARDOM rolled into one and glorified to the nth degree.—*E. G. Lapham, Elkhart, Ind.*

COOK No. 11839 (FLAMELY)

1943 edition of ACTION FRONT ready to go to press.—*E. G. Lapham, Elkhart, Ind.*

FAY No. 41-42

A very splendid deep yellow, the best I have seen.—*E. G. Lapham, Elkhart.*

D. HALL No. 42-20

A pleasing pink reminiscent of Dr. Loomis' T-Q 70, but considerably paler in color. Nicely formed, with flaring falls, it is tall-growing and substance is adequate.—*Mrs. F. H. Clutton, Highland Park, Ill.*

HALL No. 40-07

A splendid, large rosy lavender-pink, and I challenge Hall's explanation as to why not introduced.—*E. G. Lapham, Elkhart, Ind.*

HALL No. 42-10

Fine pale pink in the Loomis Manner.—*E. G. Lapham, Elkhart, Ind.*

LAPHAM J-8

A real advance in my reds.—*E. G. Lapham, Elkhart, Ind.*

LOOMIS T. Q.-70

A distinct and beautiful break in color, of most remarkable non-fading resistance. Truly exceptional. Should have been named and introduced before this.—*E. G. Lapham, Elkhart, Ind.*

The loveliest of Dr. Loomis' family of Seashell seedlings that I've seen and the loveliest pink I've seen anywhere. A perfect self of very pleasing form and excellent substance — and it does not fade. The beard is of the deep pinkish tone characteristic of these pinks.—*Mrs. F. H. Clutton, Highland Park.*

After seeing all of the introduced so-called coral pinks and many of the other hybridizers who had iris in this color range, Dr. Loomis thinks it is still newest seedlings, I consider Dr. Loomis' T. Q.-70 the finest to date. Unlike in the formative stage and withholds its introduction.—*K. D. Smith, Staten Island, N. Y.*

H. SASS No. 8-41

Huge, frilled blooms, brown on yellow, some orange.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

H. SASS No. 12-40

A SUNSET seedling. Plain form. Very large flower with blue and bronze on the falls.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

H. SASS No. 16-14

Plain, pure sulphur yellow. Very free bloomer.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

H. SASS No. 36-41

A GARDEN FLAME by PRAIRIE SUNSET seedling. Medium height, MATULA coloring, but more brilliant. Standards old gold, falls velvety maroon. Beautiful form. Very high class.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

H. SASS No. 65-39

A fine apricot blend.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

H. SASS No. 70-40

Large, tall, pale yellow. Plain form, firm standards, flaring falls. Mrs. Whiting liked this one.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

H. SASS No. 137-39

Another promising blend of sunset tints. An improved SANDALWOOD — more ruffled, deeper tones.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 40-181

Apricot blend. Lovely ruffled form.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 40-206

Very large, well-formed flower of MATULA coloring.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 40-263

Delicate rose blend with fine ruffled form.—*Mrs. M. A. Tinley, Council Bluffs.*

J. SASS No. 40-305

Peach blend with blue blaze.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 40-365

A lovely copper blend.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 41-7

This seedling bloomed for the first time in 1941 and made a sufficient growth to produce 12 sturdy stalks. Height, 40"; three to five well-spaced branches full of bloom. Flowers medium to large, slightly ruffled form, standards closely cupped, falls semi-flaring. Very neat and trim, ready for wind and weather. Color, a self; standards slightly lighter with falls a butter yellow, in the deepest spot a smooth orange. For comparison we brought GOLDEN SPIKE and GOLDEN HIND. This new one was a deeper, richer yellow. Looking for possible faults, Henry Sass said, "Of course, it might be larger, for those who like size." But as it was already larger than the blossom of GOLDEN HIND that we placed beside it, we thought it large enough. It is from two yellow seedlings (No. 39 by No. 169 by PRAIRIE SUNSET) by (No. 39 by No. 150 by GOLDEN AGE). Everyone voted it O. K., so it is being introduced under the name "Ola Kolà," Greek for "All right."—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 41-10

A decidedly novel iris. A medium blue with white veining throughout. The haft is white edged with a band of yellow which extends well down the sides of the falls. The type of iris that will be either liked or despised on sight.—*Eleanor Hill, Tulsa, Okla.*

Deep blue stripes on white. Creamy yellow glow on haft. Yellow beard. Large size, slightly ruffled form. Very unusual. Will probably be introduced this year.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 41-23

Deep red with broad, semi-flaring falls.—*Mrs. M. A. Tinley, Council Bluffs.*

J. SASS No. 41-82

Wine red stripes on yellow base. A glow of yellow on the haft. Red-brown standards with attractive hairline edge of yellow.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 41-84

Exquisite copper with orange heart. Large flower with perfect form and fine stalk.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

J. SASS No. 42-40

A seedling blooming for the first time this year, carried the same dusty pink shown in FLORA ZENOR. This, however, is a smooth self without lines. Plain, unruffled form, flaring falls. The bud was unusual. Most iris blooms back out of their buds, leaving the tip to open last. The bud on this iris was a crinkled roll, open at the top where deep down one could see soft true pink, like the heart of an opening hollyhock bud. Both plant and flower were rather small. There was a certain opaque quality in the petals which differed from most iris as pottery differs from glass. Perhaps the smooth, even color and absence

of lines made it appear that way. This iris is from two seedlings, a yellow (No. 40-79) and a white (No. 41-152). Because of its unusual color, it is being introduced under the name, *BIRD OF DAWNING*, for the winning clipper-ship in Masfield's book of that name.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

SMITH No. K-28

A medium-sized flower of the clearest, cleanest yellow that I have ever seen in an iris. Its color is particularly luminous on a dull day. Floriferous and should make an excellent garden clump. It has been registered as *LEMONADE*.—*F. W. Cassebeer, Blauvelt, N. Y.*

SMITH No. K-82

A huge, stately white with yellow haft. Blooms very late.—*F. W. Cassebeer, Blauvelt, N. Y.*

WHITING No. 419

Velvety orange red with light border on the falls. Very fine and an unusual color.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

WHITING No. 4055

RED DOUGLAS and *GARDEN MAGIC*. Really a honey. As yet, medium size and height. Pure Bordeaux-red self. Not a line on the haft. Standards domed. Falls semi-flaring. Red, yellow-tipped beard. Heavy substance, smooth texture. Mr. Hans Sass said to me, "When Mrs. Whiting crosses that seedling with *GARDEN FLAME*, she'll have something." This iris has been registered under the name *GARDEN GLORY*.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

WHITING No. 4110

Blue and bronze blend. Burnished. Similar to *PRAIRIE SUNSET*, but with blue blaze.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

WHITING No. 4117

Dainty pinkish blend with yellow heart.—*Mrs. M. A. Tinley, Council Bluffs.*

WHITING No. 4127

Large, coppery blend with blue blaze on the falls.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

WHITING No. 4037

Exquisite sky blue. Lovely.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

WHITING No. 4142

In coloring similar to *AMENTI*, but much better form. Old gold standards with edge faintly bordered yellow. Blended falls with distinct taupe border. Very unusual.—*Mrs. M. A. Tinley, Council Bluffs, Iowa*

MY PERFECT IRIS

DR. FRANKLIN COOK

■ WHEN I was just about at the end of the "impossible teens," a group of us would meet on Sunday evenings for long-drawn-out and very sophomoric discussions of such topics as "Is there an Absolute Truth?" and "What is Beauty?" We had been introduced, somewhat sketchily to be sure, to some of the more elementary problems of metaphysics, and as is the nature of youth, immediately plunged into the remotest concerns of philosophy—with very little equipment but with most intense convictions.

My experience with iris has now grown to a point where I am about to fill out my 765th serially-numbered record card of iris varieties that I have grown, watched and studied—for better or for worse. I have learned that quite a number of these iris are both perfectly beautiful and *perfect*, for me and my purposes. I would not want any of them one whit different from what they are. The perfection of which I speak is therefore a relative matter, not an Absolute. I want iris for many purposes—perhaps a few for themselves alone; many more because of some very definite need they fulfill in my garden, such as foils for other flowers, as complements with other iris, as contrasts to the background foliage of certain shrubs and trees, as specimens to show visiting judges for their approval; and a few because they appeal strongly to me for reasons that even I can hardly define.

As I am a bit fussy, and busy, I ruthlessly throw out all iris that shows signs of rotteness or that winterkill even when they are protected, after the first year of establishment. You will find no iris listed here that have not proved themselves hardy beyond all question. No iris with floppy petals, no open standards, no iris without great vigor and floriferousness can be on my list. No muddy colors, no obvious disproportions, no freaks can find their way into my elect. And still the list is long. Each has its own special enchantment, sometimes quite indefinable, but sufficiently recognizable to enable it to stand out in any iris company, no matter how large. To me, they are perfect iris, the real finds of my never-ending search for the world's most lovely iris.

Physically, white is all colors and no color at the same time.

Among the whites from warm cream to cool blue-tinted white are many of my finest iris. **WHITE CITY**, Mrs. Murrell's 1939 Dykes' Medalist, deserves the highest praise. Sheer coolness, unbelievably silken sheen, a hint of plumbago blue around the heart of its stiff stalwart blossom, wonderful three-way branching, and flaring form and substance to stand anything the weather man has to offer. As I watch it from day to day, it seems never to fade, but maintains its delicate frosty lustre till the end. Planted in very slight shade, it does its best, and with delicate pink iris it assumes a platinum glow that no other iris can boast.

WINTER CARNIVAL, Schreiner's best iris to date, has quickly assumed top place in my garden as the finest giant white. Huge and massive, classically formed, beautifully flared falls and a touch of bright gold in the heart characterize this grandest white. With substance so thick that it is in a class by itself, **WINTER CARNIVAL** also makes rapid increase, has lovely bold foliage of glaucous green, and perfect placement of the flowers. I see no room for improvement of this variety in any respect.

ARCTIC is lovely, a smooth warm creamy white, the color of country cream, and ruffled nicely. Its golden throat spills over a little onto the falls, and it is what one might term a "luscious" flower. With all good habits, it makes a perfect companion for blues and pink blends and increases in beauty by such association.

MARY E. NICHOLLS, of revered name, is, to me, one of the most perfect iris of all time, perhaps because I like a little formality once in a while. "Mary" is formal—one instinctively bows to her instead of extending one's hand—but she's very nice to have around. Clean-cut, elaborate, not too huge, she is exceedingly well groomed. With a cut to her dress all her own, she is like alabaster or the clearest marble, rich enameled finish, dull gold laid on with skilled artistry. Texture of a new kid glove, substance of something just back from the laundry; and rain and sun don't make her melt at all. She stands alone, and commands respect from all her iris neighbors.

A most thrilling find was **PRISCILLA**, sent to my iris finishing school by Mrs. Whiting. Here is a brand new, glistening, pure snow-white iris in the medium height and size group. **PRISCILLA** is the whitest white I have ever seen—even the beard and style-arms have no trace of color. The form is rounded with falls straight-out flaring, substance like that of a dress-shirt collar. Free-bloom-

ing and hardy, this white will make a wonderful landscaper when more plentiful, its long-lasting bloom (20 days) superseding in this respect almost every other iris of any color. PRISCILLA will definitely, and to great garden advantage, replace all the older flimsy whites such as TAJ MAHAL, VENUS DE MILO, CRYSTAL BEAUTY, SNOWHITE and all their ilk as soon as people come to know her. She is the perfect garden white.

No mention of the finest whites could end with anything but the tale of the little waif who was rescued from under an apple tree in the Sass' garden. Ruffled and dainty and short branched, she holds her shape through thick and thin and is absolutely the "freshest" thing in the garden. Jaunty as a burlesque queen, her skirts swir-r-r-rl, quite a bit above the knees. A clump looks like a bowl of fresh popped corn, and the short-branching makes PATRICIA a gem for mass effects. Substance is excellent, color pure, but her ruffled petticoats make her what she is: a thoroughly delightful and refreshing garden flower.

Which of these whites is "the perfect white"? How ridiculous! Every one is perfect.

Among the blues, progress has been exceedingly slow. True, GREAT LAKES won the Dykes this year, and is a grand iris, but is it any bluer than many we have had for years? Its veining is distasteful to some, although I don't particularly mind it. It does flare nicely, has excellent substance and good habits. After a plethora of very tender blues, it is nice to have one that will stand up and take it. I have looked for and purchased quite a few "new blues," only to be sorely disappointed. A few, however, deserve special mention. For the North I would take MISSOURI for a standard of comparison. It is a deep, rich blue of majestic proportions and stalwart growth. When well grown it can hardly miss winning a first prize in any show, so flawless are its parts. Have we anything to top it?

Well, I have grown WEST POINT now for two years and find it equally desirable in all traits but one—it is so very late blooming that there are few iris to plant with it that will bloom at anywhere near the same time. Yet, at a time when one is pretty well saturated with beauty after a full season of delightful iris intoxication, one comes back again and again to WEST POINT. It is so sturdy and military in its bearing, so pure in color with its epaulets of chestnut brown that one must credit it with a great deal of distinction.

One more late bloomer from Col. Nicholls' hand, and in my opinion his finest, is BLACK VALOR. It is blue-black, ink-blue-black, violet-black, but distinctly not purple as so many of our darkest iris are. It should be classed as a very dark violet blue, and it is stunning. It puts to shame all of the earlier attempts at producing dark iris of this hue. BLACK VALOR is incredibly rich, is exceedingly velvety and, in my garden, serves as the standard to which all other varieties must be compared for that elusive quality. You can *feel* the velvet without touching it. All its habits are good, and it increases fast, which is not a characteristic that can be attributed to STORM KING, for instance.

Light blue iris have not improved much since PRINCESS BEATRICE and SHINING WATERS held sway. ALINE is too shy; BLUE DIAMOND fades terribly and grows slowly; BLUE MONARCH and BLUE TRIUMPH are flimsy; EXCLUSIVE is sloppily formed and too gray; and the list of pretenders to the crown of the best light blue iris is filled with undeserving candidates. CASTALIA, to my mind, is the best *pallida* blue that has ever been produced. Every good habit is hers, and her color is clear and relatively non-fading. I think I would pin the medal on her breast.

But I saw a new kind of blue this year, an excitingly different blue, like none that has ever gone before. A rich indigo blue *with a gold heart*, a really solid gold haft, style-arms and beard, with no reticulations of bronze, nor any blending. MOONLIT SEA is the name Jake and Henry Sass have given it, and I can say that no iris has struck me in years as being so distinctly different and so exquisitely desirable. I can't describe it. You've got to see it. Appropriately named, it *is* like a golden moon shining right through the middle of a dark blue sea. There is no other iris even remotely near its coloring, and luckily its habits are all good. It is a marvelous new iris.

Before dropping the blues, has anyone seen a blue tall bearded iris the shade of blue of the Siberian Iris GATINEAU? 'Nuf said!

One hears a great deal of the multitude of yellow iris, and when anyone produces a new one, it is considered great praise indeed to quote somebody as saying that it is "within the group of the first five (or ten) finest yellows." Now, frankly, I am sorely disappointed in almost all of the new yellows, and in all of the old ones. I haven't yet seen a pure yellow self that successfully combines the good qualities a fine yellow iris should have—and I have

tried almost all of them—yes, even SPUN GOLD, MING YELLOW, YELLOW JEWEL, GOLDEN MAJESTY, and dozens like them. Most of them are lacking in substance; and when you find one with substance, it has the shape of last year's winter underwear, or passes out cold if there's a light frost or two that winter! Won't somebody come to the rescue? I have great hopes for DeForest's FULL MEASURE and LATE SUN, about which I have received enthusiastic comments.

But I do not mean to disparage all the new iris of yellow *effect*. GOLDEN FLEECE is one of my favorite iris of all time. Ruffled form and cool, clear two-toned yellow color are all that could be desired, and more. RAEJEAN, a very late one of Mrs. Whiting's, is also a two-tone in a deeper register, standards a good deal darker than the falls, which are edged with the darker gold of the upper petals. Thoroughly fine in every respect, I have it planted with BLACK VALOR, which sets off RAEJEAN as a midnight sky sets off the harvest moon.

Another yellow, not nearly so well known as it should be, is Mr. Hall's BUTTERCUP LANE. Low-growing, medium size, it is tremendously floriferous, and the blooms are a perfectly clear butter-yellow. A clump of it is the brightest thing in the garden, and it lasts long in bloom, does not fade, and increases fast. There is no better landscape yellow anywhere.

A few years ago, ELSA SASS heralded a whole new group of "lemon-ice"-toned yellows. I have now seen a number of new developments from "Elsa" which far surpass her, although in color she is extremely beautiful just as she is. These new iris in this color range have to a remarkable extent just what ELSA SASS lacked a little: substance and full, round form. MOONLIGHT MADONNA was my favorite of many of these, with very stiff substance and fine ruffled, wavy form and perhaps a little more "lemony" tinge of color. Sass No. 40-202 was another fine one, a little more resembling GOLDEN FLEECE in color. I understand that other hybridizers are also getting good results working toward this very much-needed color in iris. Mr. Fay, of Wilmette, has an exceptionally clear and fine iris of this type, and Mr. Schreiner hopes to introduce another.

Not so many years ago, our darkest purple iris were almost exclusively of the *pallida* class, with short branching, flimsy substance and not-too-clear color. Many of them also showed coarse reticulations about the haft. In the last few years, however, some stunning new things have appeared in this class. I remember with

pleasure the first time DEEP VELVET opened up its petals for me, and that joy increases every year. Not velvety, but very clear deep purple-violet, with considerable lustre on its perfectly formed blossoms, it is majestic and bright, dark but not sombre. SABLE, very much bluer but just as dark, has also proved itself an extra fine iris in my garden. Slow to establish with me, its present rate of growth is exceptionally good, and it has "come up" in height to a reassuring 37 inches this year. Planted with GOLDEN HIND, YELLOW JEWEL, and ELMOHR it takes on added brilliance.

A few years ago, Dr. Loomis sent me a root of what was described as a seedling of WILLIAM MOHR by H-22. It did not bloom the first year but made an increase of five. This year there were 25 fans and seven bloom stalks, and it has been named ELMOHR. I almost threw away that small root that didn't bloom the first year. I am extremely glad that I didn't, for ELMOHR was the one iris in my garden that attracted every single visitor this year. Called by some a rich mulberry purple, I shall not try to improve on that description of its color. It is novel, rich, and full bodied. Orchid-like it exhibits its style arms full and broad for everyone to see, and this rich purple hollow is lighted up by intense orange light from within. A magnificent iris.

In the brown or maroon-purples, I have grown only one that I am really enthusiastic about. CAPTAIN WELLS has such clear color and wonderful habits of growth, such a smooth haft and heavy substance that I would not want to be without it. Most iris in this color class are dull, muddy, and lifeless. CAPTAIN WELLS is very much alive and very warm.

Can you imagine our little friend AMIGO with all its charm "done in red" instead of light and dark blue-violet? That would be RUBIENT, a lovely soft red-purple with the falls bordered the lighter color of the standards. Velvety as can be, clean-cut, it looks as if it were on fire when the sun shines on it. This "ruby light" I have seen coming from one other iris, Paul Cook's No. 14-37, which glows the same way, reminding me somewhat of witchfire or the phosphorescent glow in neon tubes.

When the ratings came out this year I was happy to see BLACK HAWK get an H. M. Here is a true intermediate (not just a short bearded iris) with every quality of the tall-bearded clan developed to the same high standards of perfection one would expect of a Dykes' candidate. Heretofore the intermediates have largely con-

sisted of iris that might be considered the poor relations or even the runts of irisdom. No apologies are needed for BLACK HAWK. It is the smoothest, darkest, best-formed intermediate of them all. Dark as STORM KING, 28 inches tall, with form so nicely proportioned and full-bodied as to compare favorably with the best tall bearded novelties, the blooms are half again as large as most old intermediates, and still in perfect proportion with the stalk. BLACK HAWK, blooming with the Darwin Tulip Wall Street, was simply a knock-out. I consider it today's finest intermediate-blooming iris.

Much has been written about "new breaks" in "pinks." In general, progress has been made in two directions, toward clearer copper-pinks and, secondly, toward the so-called "Sea-Shell" pinks (after the seedlings sent out by Dr. Loomis some years ago). In the first class I have seen two seedlings I consider so far in advance of anything that has gone before that they deserve special mention. One is Whiting No. 4127, the other Paul Cook's No. 542. Neither will be introduced as far as is at present known. Both are distinctly worthy.

I am familiar with the work along the Sea-Shell color trend only so far as Mr. Hall's remarkable success is concerned. He has secured the elusive colors of the Loomis seedlings in a great number of plants now under observation. They range in color from palest Chatenay to Coral Pink, according to *The Dictionary of Color*, if my memory serves me at all accurately. Some of them have really very good form, and one or two, notably No. 42-57, excellent substance. Their garden effect, while not pronounced, can be somewhat strengthened by planting them with medium blues and whites.

There remains, for the end of this article, a note about one more iris, perhaps the most appealing of the whole lot. BLUE SHIMMER must be considered a plicata, I suppose, but it is an all-over design of utmost originality, a two-tone blue and white iris. While progress in the yellow plicata class has brought many innovations, BLUE SHIMMER is the first really different and superior blue and white plicata since LOS ANGELES. It has huge, rounded, classically formed flowers of the clearest tone of blue I have seen in any iris, all interspersed with enameled white to such an extent that it is hard to tell whether it is blue on white or white on blue. Again, it is so strikingly different from any other iris I have ever seen that it marks a milestone in iris breeding. If BLUE SHIMMER were up for

the Dykes this year, it would have my vote without question. Hardy, excellent substance, porcelain-like finish, clearest of clear blue color, wide petalled, firmly closed, domed standards, excellent branching—write your own specifications of perfection and BLUE SHIMMER will meet them one by one. For sheer glorious garden effect, I don't believe any iris of any color could surpass this beautiful new plicata.

All in all, I have, as you can see, many perfect iris. I do not ask that they compete with each other on an arbitrary scale of points. Many of the relationships of the parts and colors of a flower that go to make up beauty are not included in the point scale. I hope they may never be too rigidly classified. Suffice it to say that these flowers are the ones that I particularly look forward to seeing bloom next May with the knowledge that within my limited horizon I have judged them from all angles and have found them—*my perfect iris.*

We hear that Mr. Weed's older son, Wilbur, is now a Major in the Air Corps and is located at Bakersfield, Calif. His other son, Thurlow, is in Officers' Training at Miami Beach, Fla.

THE ORIGIN OF MODERN WHITE IRIS

GEDDES DOUGLAS

■ IT IS hard to estimate the value of white iris in hybridizing. In 1932, in discussing the possibility of breeding a large bright yellow iris, the late Mr. T. A. Washington told me that the iris he needed was a large white. Repeated efforts to bloom PURISSIMA in Nashville had met with failure. However, in this same year Mr. Washington obtained SELENE, a new introduction from Clarence Connell, and in 1933 crossed his variegata blend JEB STUART with this new white. From this cross the large deep yellow SUNDUST was obtained.

Writing in BULLETIN No. 52, on the breeding of yellow iris, Prof. Sydney B. Mitchell observed, "My theory was that if a yellow-red or bronze iris was crossed with a white, preferably a warm white—that is, one with some yellow in it—a few pure yellows might result from the operations of the factors for albinism." Thus SHEKINAH $\times$ ARGENTINA gave a cream seedling which when crossed with a bronze seedling from ALCAZAR $\times$ ESPLENDIDO produced No. 6-12, later to be named ALTA CALIFORNIA, Mohr-Mit. 1931.

The validity of Prof. Mitchell's theory has since been proved by hundreds of breeders in many hundreds of crosses, and, contrary to the popular belief that yellow iris owe their existence to the first large-flowered yellow W. R. DYKES, it is probable that this iris owes its existence to the first large-flowered white.

White iris are prominent in the parentage of the better blue iris of today, as it has been the practice of most breeders to improve the clarity of color by crossing with a white. When the story of the pink iris is finally written, it would not surprise this writer to learn that the white has played a prominent part.

We have become so used to having a garden full of fine white iris that it is hard for us to realize that only a very few years ago there were almost no white iris available. Elsewhere in this issue of the BULLETIN is the parentage chart of SNOW FLURRY, and an examination of this chart leads us immediately to the origin of practically all of the large-flowered, tall-bearded whites of today.

The steps in their development are few and the beginning is definite. In 1890, the supply of whites available for hybridizing was limited to a few albino dwarf bearded, ALBICANS, GERMANICA ALBA, FLORENTINA, and INNOCENZA, a cream white hybrid from, or form of, *I. variegata* introduced by Lemon in 1854.

Just prior to 1900, Sir Michael Foster raised two so-called whites, MRS. HORACE DARWIN, which was a near amoena, and Mrs. GEORGE DARWIN, a cream white. In today's terminology all of the above would be classed as intermediates, and it is doubtful if any of them have figured prominently in the production of later whites. In the period between 1840, when Lemon began his hybridizing, and 1890, English and Continental breeders had worked the *pallida-variegata* strain to the end. Certainly selective processes would have produced refinement, but the color range possible from these two parents was pretty well in evidence. In the late eighties, Foster imported to England certain Asiatic species. Those which were of the most important in the later development of the iris were AMAS, *I. cypriana*, *I. trojana* and another introduced somewhat later, *I. mesopotamica* or RICARDI.

Although Foster was the first to cultivate several of these species, it appears that he did not at first think of using them for hybridizing. Such well-known varieties of his as LADY FOSTER and others were not distributed until after his death in 1907, and there is reason to suppose they were raised not long before that. On the other hand, Vilmorin records the seedling year of his variety ISOLINE, a *trojana* seedling, as 1897; and TAMERLANE from *I. cypriana*, and ORRIFLAMME from AMAS came in 1898. In 1900, Yeld exhibited ARAC from a cross of *I. cypriana* and AMAS.

Much has been written concerning the inestimable value of Foster's work with iris. Certainly he was the first to explore the possibility of Onco-Pogo and Regalia-Cyclus hybrids. *I. monnieri* and *I. spuria* gave him his famous MONSPUR. His *cengialti* hybrids were distinctive, and from *I. trojana* he produced such varieties as NINE WELLS, SARACEN, and SARPEDON, prominent in the ancestry of many modern iris. But it remained the fate of two seedlings of unknown parentage which appeared in his seedling beds to break the bonds that shackled iris development and to become the parents of a new race of whites and yellows. The first of these two, later named MISS WILMOTT, was originally called *Kashmiriana*, Shelford variety, and was introduced by Wallace in 1909. The second was named KASHMIR WHITE and introduced in 1913.

It is quite evident from the names he gave these two seedlings that Foster at first thought they came from *I. kashmiriana*, but Dykes records that later Foster told him that this was uncertain. F. Denis writing in the *Revue Horticôle* was definitely of the opin-

ion that MISS WILMOTT came not from *I. kashmiriana* but from a cross of *I. cypriana* and *I. pallida Dalmatica*. For Denis, MISS WILMOTT fertilized with its own pollen gave plants identical with *I. cypriana* and *I. pallida*, but two of the seedlings were white. One of these was named BLANC STRIE. Denis also synthesized his hypothesis by crossing *I. cypriana* $\times$ *I. pallida*, and among the numerous seedlings were found a goodly proportion of albinos. "Miss Cavell" (*Check List* EDITH CAVELL), MME. JEANNE BEL, MARGUERITE MARRON, and BLANC BLEUTÉ were from this cross.

Very little work seems to have been done on white iris during the First World War except by Denis, Hort, and Miss Grace Sturtevant. In 1917, Sir Arthur Fenton Hort produced BOLINGBROKE, a cream white from *I. cypriana* $\times$ MISS WILMOTT. In 1920, Miss Sturtevant introduced ATHENE, derived from DALMATICA $\times$ PRES-TIGE, the latter from seedlings of *I. pallida* and *I. variegata*. The only other white of record during this period was WHITE QUEEN from Geylenkek, Dutch iris breeder, in 1918.

By 1924 the list of white iris had grown considerably. These are summed up in the December BULLETIN of that year. An examination of the list reveals four classes:

(1) *Dwarf and Intermediates*—ALBICANS, BOUQUET, CHARMER, FLORENTINA, GERMANICA ALBA, INGLEBORG, ISTRIA, MARGARET, ROSINE, and SARAH.

(2) *Whites of Pallida $\times$ Plicata origin*—ALCYON, GARDEN WHITE, GLACIER, BALARUC, MILKY WAY, MRS. H. DARWIN, TAJ MAHAL, and WHITE KNIGHT.

(3) *Whites of Variegata $\times$ Pallida origin*—ATHENE, CHARTIER, FENELLA, INNOCENZA, IVORY, LA NIEGE, MRS. G. DARWIN, MRS. NAIGLI, SAMITE, WHITE NYMPH, and WHITE QUEEN.

(4) *Whites from Asiatic species parentage*:

(a) ARGENTINA, Mohr 1923. CATERINA $\times$ KASHMIR WHITE.

(b) BERNICE, Bliss 1919. ALBICANS $\times$ TROSPERBA.

(c) EDITH CAVELL, Denis 1921. RICCARDI $\times$ DALMATICA.

(d) BOLINGBROKE, Hort 1917. CYPRIANA $\times$ MISS WILMOTT.

(e) KASHMIR WHITE, Foster 1913.....?

(f) MISS WILMOTT, Foster 1909.....?

(g) SOPHRONIA, Mohr 1924. KASHMIR WHITE $\times$ ALCAZAR.

Eliminating the first of the above four groups as being of little importance in this discussion, it would seem as if the apex of the *pallida-plicata* breeding for whites was reached in TAJ MAHAL, and

that no particular advancement had been made in the *pallida-variegata* line toward the ultimate goal of a large-flowered white. In the fourth group, however, it is evident that the first step had been taken. BOLINGBROKE and EDITH CAVELL can be dismissed as being of doubtful value due to tenderness. Nothing seems to have come from BERNICE. SOPHRONIA appears to have figured in the parentage of yellows rather than of whites, but ARGENTINA, Mohr 1923, was the iris destined to be the necessary link in the chain.

It seems strange that the next important advance after the production of KASHMIR WHITE should have been made by someone other than Denis, for, after all, Denis was a contemporary of Foster and he had early access to KASHMIR WHITE and MISS WILMOTT for his experiments. But it is not surprising that William Mohr was responsible for this important move.

In an era when raising bulbous plants from seed was practically unheard of in America, William Mohr was growing new daffodil varieties from his own crosses. He also raised seedlings from Darwin tulips and crinum and amaryllis. Clematis montana flowered in many colors from his seedlings; his strains of wheat and barley were developed and grown extensively in California. So perhaps it was in the nature of things that when he took up iris breeding shortly after 1910, he should have explored every possibility within his limitations. At the time of his death in 1923, he was raising thousands of seedlings yearly from crosses of *Onco-Cyclus*, *Pogo-Cyclus*, and *Regelia-Cyclus* with pogon iris, bearded iris of all classes, Spurias, and crosses of Sibericas with our native species.

His *pogon-onco* cross of PARISIANNA $\times$ GATESII gave the iris which later bore his name, WILLIAM MOHR, and this iris is the progenitor of a new race of hybrids, such as GRACE MOHR, MOHRSON, ORMOHR, ELMOHR, and OHRMACO. Of no less importance, his iris ARGENTINA, parent of PURISSIMA, Mohr-Mit 1927, and grandparent of EASTER MORN, Essig 1931, is the progenitor of a new race of whites.

It is interesting to note that EASTER MORN, the parent of many of today's fine whites is a seedling of CALIFORNIA BLUE $\times$ a sister seedling of PURISSIMA (ARGENTINA $\times$ CONQUISTADOR). Also WAMBLISKA, J. Sass 1930, a lavender-white which has figured in the parentage of many Sass iris including the new pink FLORA ZENOR, is from the same cross that produced PURISSIMA.

Undoubtedly there are many white iris which did not come from

Foster's MISS WILMOTT and KASHMIR WHITE, but in comparison to the total number which did, they are few. Two such exceptions are GUDRUN and SNOW KING. GUDRUN, Dykes 1930, has a stalk and branching which strongly suggests DOMINION, while the flower characteristics indicate a kinship to MOONLIGHT. While the parentage of MOONLIGHT is not known, it is probable that Dykes had both Miss WILMOTT and KASHMIR WHITE in his garden when it was a seedling.

SNOW KING, H. P. Sass 1935, is a seedling of ORIANA $\times$ DOMINION. ORIANA, H. Sass 1933, is a seedling from LADY FOSTER by a white intermediate seedling from a white *pumila* seedling $\times$ AMAS. It is not unreasonable to surmise that SNOW KING and ORIANA have inherited albino tendencies not only from the white dwarf-intermediate line but also from LADY FOSTER itself, for LADY FOSTER's parentage has been established as *I. cypriana* $\times$ *I. pallida* which, as Denis has proved, is the probable parentage of Miss WILMOTT and KASHMIR WHITE.

And so, in conclusion, this writer wishes to pay tribute not only to those men such as Foster, Denis, Mohr, and Mitchell, but also to salute two bumblebees. The first came on a sunny morning just after the turn of the century in the garden of Sir Michael Foster, and the second, some twenty-odd years later in the garden of the immortal W. R. Dykes, for between them they created the two most notable advances in iris hybridizing. For who can say that the first did not scoop the pollen from *I. pallida* and carry it to nearby *I. cypriana* and so begin the race of super whites? And who can deny that the second might have carried the pollen—say, from MOONLIGHT—to a nearby variagata hybrid—say BRUNO—and so fulfill the hybridizer's dream of a giant bright yellow, i.e., W. R. DYKES.

Author's note: Some white iris which are descended from Miss WILMOTT and KASHMIR WHITE are: PURISSIMA, EASTER MORN, WAMBLISKE, VENUS DE MILO, SHASTA, SITKA, MT. AETNA, MT. CLOUD, WHITE ALONE, CRYSTAL DOME, WHITE FROST, WHITE GODDESS, CATHEDRAL DOME, SNOW PLUME, MARY E. NICHOLLS, MT. VERNON, MT. WASHINGTON, SNOW FLURRY, STELLA POLARIS, ST. VINCENT, NOEL, WINTER CARNIVAL, SNOW CARNIVAL, and SHARKSKIN.

TWO NEW YORK GARDENS

LOUISE BLAKE

■ AFTER months of anticipating a trip to New England to visit all the iris gardens and the lovely people who own them, I was much disappointed to have my trip cut short through illness. There was balm for my disappointment, however, in the fact that I did see two lovely gardens near New York before I returned home.

The garden of Kenneth and Ilse Smith on Staten Island is a haven for the iris grower. Here are drifts of the world's finest iris planned and planted with rare skill and unerring feeling for tone values. A great hybridizer's introductions are best studied in his own garden. Here, growing in perfection, are CAROLINE BURR, LORD DONGAN, STELLA POLARIS, VIOLET SYMPHONY, YELLOW GLORY, and YELLOW JEWEL. The iris world expects to find magic in Kenneth's iris seedlings and the group of judges were deeply impressed with the beauty and development of this work. The garden has a high standard of excellence; withal, the garden is gay, modern, artistic, and shining with light and color.

The serene loveliness of Fred Cassebeer's garden in Blauvelt, N. Y., drew iris visitors from New Hampshire, Massachusetts, New York, Tennessee, Virginia and South Carolina. Wide stretches of lawn and trees give to the garden peace and serenity, while beds and borders of beautifully grown iris add charm and brightness. One of the great iris clumps bordering shrubbery is a planting of Schreiner's GOLDEN TREASURE and I never saw such a display of this iris. The effect was startling. In his modern iris collection, Fred has shown wisdom in holding to some of the rare beauties of the past. They give distinction to this garden that old books give to a library. Judges found a bewildering number of fine seedlings, the choice going to ORANGE GLOW, an iris of ever-changing color. It is said that in iris growing much depends on the climate, more on the soil, and most on an understanding gardener.

IRIS PERSONALITIES—1942

THURA TRUAX HIRES

■ TWO WEEKS early—dwarfs, intermediates, tall bearded, all tumbling over themselves in the race to see which could beat the starting gun. Even the tall bearded season was badly jumbled with some of the mid-season varieties opening before the early ones, and the very late, such as STORM KING, blooming in early mid-season. It is the same old story—how often do we have a really normal season? When I left for Lowell on May 30 (usually the height of our season) iris bloom was on the wane, but, returning a week later, I found scattered bloom which carried on until the 16th. As I write this, in late June, there is blooming a variegata dwarf with widely flaring falls, from Mr. Hans Sass. As the iris garden was planted late in the fall of 1941, I had expected little bloom, but was pleasantly surprised, not only with the amount of color, but with the quality of the flowers. But the tale of Rehobeth's iris garden is one for a later issue of the BULLETIN when there may be a scarcity of material.

Outstanding iris here on one-year plants were ANNABEL, DAYBREAK, PRINCE OF ORANGE, and CORONET. In a row in the nursery on established plants, OLD PARCHMENT, ELSA SASS, MISS CALIFORNIA, GOLDEN FLEECE, MARY E. NICHOLLS, STORM KING, MATTERHORN, and FLORA ZENOR gave a wealth of bloom, while in the lower nursery there were single stalks on novelties planted last fall. FLORA ZENOR, which bloomed here first last year, gave enough stalks this season to show the effect of its color. Surely it is a decided "break" and a most interesting pink. Of course, the stalk is too leggy for the size of the flower, as Messrs. Jacob and Henry Sass would be the first to point out, but it is very worth while having for its color alone. We can plant other things in front to tie it down—not lower growing iris, but possibly soft blue and cream columbines or feathery meadowrue.

It seems to me that the lower-growing, late-blooming bearded iris, intermediates in height, should be planted away from the tall bearded, where they will not be dwarfed by the latter's magnificence. Give them for companions to others of their height, with low-growing perennials in complimentary form and color; let them have separate beds of their own. Then if their flowers are in pro-

portion to the stalks, with firm substance, clear color and finish, I think they will not be so carelessly brushed aside as inconsequential. Size, both of flower and stalk, has become too much of a fetish. 'Tis time the pendulum swung back. Take SNOW DROP, BUTTERCUP LANE, POT o'GOLD, BONNIE LASS, EVER GAY, TREASURE TROVE, PINK RUFFLES, and NOCTURNAL, all under 32 inches, bright jewels among the more recent offerings, and add to them KING TUT, TAN TOY, AMIGO, CHERRY RUST, SEPTEMBER DAWN, BLACK WINGS and, for its color, the rich LOUIS BEL, plant them in a separate bed by some favorite garden seat and with them many of the clove pinks. I'll wager you will demand of the hybridizers more and more of the low-growing, free-blooming iris. But insist that the form, substance, and proportion of the flower to the stalk be more perfect even than that of the tall bearded. The smaller they are—or rather, the lower growing—the more perfect must they be in form, substance, stalk, and foliage.

When I arrived at the Nesmiths' garden early Sunday morning and saw the iris in full bloom with the dew still on their petals, I regretted the two seasons of enforced iris idleness. Never could those lost iris times be recaptured but, possibly, I thus gained a keener perception of the strides being made by the hybridizers, especially in substance of flower and stalk balance.

The beautifully grown great and near great, newly planted novelties with one or two stalks holding forth promise for the future, well-established clumps all at the peak of bloom, were ready for the gathering that day of more than 50 New England iris enthusiasts who were to swarm about them like bees, and later partake of Mr. and Mrs. Nesmith's charming hospitality at a buffet luncheon. Fellow house guests were the Jesse Wills from Nashville, the Kenneth Smiths and Fred Cassebeer from New York. How gay we were! Shortly came Mr. McKee, Dr. Graves, the Lewises, Butterworths, Mrs. Tobie, Mrs. "Bill" Kellogg, and so many of the other A. I. S. members. It was like Old Home Week! And to finally meet Mrs. Corey, with whom I had had some lively correspondence, and Mr. Carruth and Mr. Buttrick, both doing very interesting work in hybridizing, were real treats. As we strolled along the garden paths, I know many of us thought of the absent friends who had expected to be in New England this spring, and wished they might have been with us.

Here were COPPER ROSE, FLORA CAMPBELL, RADIANT, STAINED GLASS, all in one color class, STAINED GLASS the darkest. COPPER ROSE, with a clean gold haft, lacking the heavy lines that detract somewhat from RADIANT's rich beauty, gives the most brilliant effect. The medium-size flowers are of smooth finish, good substance, and are nicely rounded. The standards are rosy with a yellow underlay, the flaring falls rose-red. Slender stalks branching at the center, nicely proportioned, carry the blooms well. FLORA CAMPBELL is a browner rose-red. The flowers are of different form, not quite so smoothly finished, but the branch and placing are the best of the four. RADIANT is very bright. STAINED GLASS had bloomed on a very short stalk in my garden, and I liked its brightness. I want them all.

Dr. Grant's DISPLAY is a red self on the copper side. On a dull day it stood out as a richly colored iris. In sunlight it is not so brilliant as WILDFIRE or EDWARD LAPHAM, but it is better in form and has better placing than WILDFIRE. The standards are nicely closed, the falls flare, while the substance and branching are all one could desire—a very fine iris as it showed in New England. EDWARD LAPHAM, which we saw later in Mr. Gage's garden, is a brilliant red self. The flowers of heavy substance with semi-flaring falls have a brown haft which adds to their richness. The stalks branched from center and stood up nicely. WAKARUSA, too, seems one of the best of the borderline reds, with its rosy standards and velvety deep brick-red falls glowing from the orange and copper undertones that permeate the red. The flowers, of medium size and nicely placed on a high-branched stalk, are of heavy substance. There was no sign of bunching. I thought RED GLEAM not so good as EDWARD LAPHAM and WAKARUSA, although it is a brilliant red and will make a splendid clump. The form of the flower is not so finished, though the substance and branching are good and there are nine blooms to a stalk. It should carry over a long season.

BOSS is an iris quite worthy of its name. A brilliant, golden red of beautiful form and fine substance, the standards are gold with red lights, the falls rich velvety red with a gold lined haft and narrow gold edge. The stalk, on which the flowers are well spaced and placed, carries three branches. It should rank very high in a crowded class. Across the way was COMRADE, and as I looked at the two iris, my thoughts went back to the last iris season The Chancel-

lor and Boss were with us; to the day we drove to the Washingtons' farm, with Mr. Washington speaking of his plans for the new home and gardens; to quiet hours sitting in the garden with The Chancellor while he told me of his plans for the sale of his iris seedlings; then back to the time when Mary Williamson graciously gave me the privilege of naming one of the last seedlings from her father's hybridizing, AMIGO. Later Paul Cook told me I had made a great mistake when I did not let them name it for me as they desired. I knew better. AMIGO, BOSS, COMRADE—always these iris will bring memories of three great iris hybridizers who gave much of beauty to our gardens, not just to those who knew them well, but to all iris lovers. Often Mr. Connell and I had talked of his hope to have a seedling worthy to bear the name "The Chancellor," only to find that name already taken. COMRADE is indeed well named. Not only is it a beautiful iris of gay coloring, but by its very sturdiness it seems to express the high standards of the men to whom it is dedicated. It is a broad, rounded flower, with characteristics which cause one to wonder if it carries some ROSE DOMINION blood; the rose-pink standards are nicely arched, the falls a deeper rose, flaring and tip tilted, with a pale blue line at the tip of the pale yellow beard, brown veining on a rose white haft. The stalk is high branched and the flowers of heavy substance.

Among the blends, I especially liked SOUTHERN GLOW, DUET, PASSACONWAY, FRENCH MAID, and STARDOM. SOUTHERN GLOW is one of those very clear lavender and yellow blends so useful in forming the garden picture. It has a beautiful stalk carrying ten or 11 flowers, three open together, so well spaced each shows in perfect silhouette. I think it might be most useful to liven up a planting of VIOLET CROWN or VIOLET SYMPHONY tone, or to use with some of the older dove greys, dark blends such as BELLE OF DIXIE, or with some of the blues. DUET is charming, a refined flower of substance and good form. The golden fawn standards show a pinkish lavender flush, the deeper lavender violet falls are semi-flaring and have an edge of golden fawn, while a gold veined haft and yellow beard intensify the glow. The stalk is nicely, and widely, branched, carrying eight flowers, three open. The flowers are not so widely spaced as those of SOUTHERN GLOW. Dr. Graves said I was one of the few to like PASSACONWAY. There is an old Quaker saying, "Everyone is queer but me and thee and sometimes I think

thee is a little bit funny." Possibly I am queer, but would it not be sad if we all saw alike! One of the most charming features of the flower was the sprinkling of gold, especially pronounced on the standards. It has golden standards, violet falls with an edging of the gold, a deep yellow beard, and flaring flowers held nicely on high-branched stalks. There was an iridescent shimmer from raised gold dots collected in bunches as though stippled by a painter's brush. I know no other iris that had this gathering of gold in raised dot effect.

FRENCH MAID's stalk is high branched, carrying several flowers, three open and well spaced. Brown gold with violet, it makes a pleasing clump, though a bit dull in some lights. STARDOM, which I want to try with some of the copper reds, is one of those lovely salmon-rose blends we owe to Mr. Hall's magic. No one else seems to turn out with such ease quite the same clarity and brilliancy in this type of blend. When I was in Chicago in early May, Dr. and Mrs. Cook graciously invited me for Sunday supper. The Halls were there, too, and later in the evening it was decided to drive to the Halls' to see a blend then in bloom. Earlier Mr. Hall had lifted a small clump, planted it in a large container and kept it in a greenhouse until ready to bloom. It was one of the most gorgeous blends I have ever seen, magnificent under artificial light. With a flashlight we sallied forth to visit the Hall gardens, so weed-free, the great healthy fans beginning to show buds. I just wanted to sit idly by and wait for their blooming. The Cooks' new home and garden are delightful. I had not seen the old garden, which everyone who knew it well says was so beautifully planned, but this new one bids fair to be a jewel. And the house is of their own planning, too. What fun they must have had and how proud they must be of the result!

It is most interesting to watch the changing trend in iris colors. In the beginning, when there were few hybridizers, the colors were mostly blue-purples. Later there was a scattering of whites, blends, pinks, a yellow or two, and then the rush of reds. Now, looking at an up-to-date commercial planting, one is faced with a preponderance of yellow, from creams to brass and all hues en route. A few salmon pinks are creeping in, and one wonders how long it will be until they descend in droves. There is no more useful color in the garden than yellow; indeed, without it our iris gardens would be

very dull. A clump of SPUN GOLD stood proudly by the central grass path, and I decided that, taking into consideration the plant as a whole—foliage, stalk, carriage, flower and clarity of tone,—it was the most finished of the newer yellows unseen by me until this year. It is just a bit smug, however, in its smoothness. But who can say which is best? For each section of the country, for each type of soil, there will be some that will be “best.” That makes iris fascinating. Their beauty is a snare, while many present a challenge to one’s gardening ability. So each of us must make his own choice. There were other yellows beside SPUN GOLD that I wanted for my garden, though I expect many a sun to pass before any of them will displace GOLDEN MAJESTY and FAIR ELAINE as they perform here. After studying them close-by and watching their performance through a week of sun and showers, I decided SUN SPOT was the most appealing. There was something about it, some intangible quality as elusive as the fragments of a dream. Possibly the graceful carriage gives character. Tall, branched above center, a clear yellow self with arching standards and flaring falls, eight blooms of heavy substance set off by a yellow beard and a clear white spot on the blade, it stood coolly aloof. It has two faults, as I saw it—too tall foliage and the falls narrow too much in the haft, giving what we antique doll collectors call the “wasp waist.” But from a short distance this narrowing does not show as it would in a dark flower.

DAWN OF GOLD is a rounded flower with arched and semi-flaring petals of heavy substance. The self color veining on the falls gives a ribbed effect—most interesting—and the color is rich. The stalk is sturdy and well branched, but on the plant I saw the long branches were held perpendicularly close to the stalk, with the buds turned in. In well-established plants this may not happen. YELLOW GLORY, a canary yellow self with domed standards and flaring falls, also is an iris of heavy substance. I preferred it to YELLOW JEWEL, though the stalk could be taller for the size of the flowers. There are five blooms, two open and well spaced. LATE SUN (de Forest) is of about the shade of SPUN GOLD, possibly a bit deeper. It is late blooming, the flowers well placed on a nicely branched stalk, and should prove very worth while. KENTUCKY SUNSHINE (Carpenter) is an intense bright yellow of heavy substance, with flowers of pleasing finish well placed on a well-balanced stalk. There is a touch of white in the falls. With eight flowers to a stalk and with its seeming inclination to throw stalks freely, it should be a very

pleasing clump. So much has been said about GOLDEN SPIKE that there is little I can add. I like that tone of yellow. FULL MEASURE (De Forest) is a very interesting orange yellow with a greenish undertone. The standards are arched, the falls semi-flare and carry a deep orange beard. Seven blooms, brilliant yellow, are carried on slender branching stalks. I should like to see an established clump as the sample stalk was beautiful. Slender stalks are so nice when they hold well. SUNGLEAM, a tall cream yellow with nice falls, is not so finished a flower as are most of Dr. Grant's introductions. The stalk is too bunched at the top, with three open flowers, to be graceful. But his SUNDAY BEST is a most pleasing creamy yellow with a gold haft. It is tall, widely branched, carrying eight fragrant flowers of heavy substance. The haft of the falls is a bit narrow, but this does not show from a short distance. JONQUIL, from Mrs. Whiting, with arching standards and semi-flaring falls, is particularly lovely in bud, these long buds unfurling like some perfect rose. The terminal bloom opens first, which is desirable. It is a bit too high branched, but legginess can be softened by a good foreground planting.

BUTTERCUP LANE and POT o' GOLD, both about 32 inches tall, with flowers of heavy substance, are most desirable. I think they have far greater garden value than many of the larger, taller new yellows. POT o' GOLD is an intense deep yellow with open standards and semi-horizontal falls. The stalk branches from the center, and the flowers are nicely placed. If it will bloom at the same time, I want to plant it with STORM KING. BUTTERCUP LANE, a medium yellow self, with a white blaze at the tip of the deep gold beard, is a ruffled flower with a festive air—crisp and charming. It should be a happy foil to the dark richness of SABLE, BLACK VALOR, or THE BLACK DOUGLAS.

Then there was FORTUNE from Dr. Kleinsorge. As I saw it, it was not a yellow, but a golden brown. Visualize the old-fashioned New Orleans molasses being poured when the sun can shine through the thin stream, and you will have my idea of the color. It is luscious, a fluted flower with flaring falls on which gold veins radiate out from the haft in smooth, deepening gold at the sides to the tip of the deep yellow beard—a flower of fine substance. There were six blooms, all at the top of the stalk. As it was not an established plant, possibly another season may see better placing.

In creams, VISION FUGITIVE was outstanding. A tall stalk, with two wide branches and a third shorter one, all held nicely away from the stalk, carried eight flowers, well spaced. The standards arch and show a pinked edge, the color lemon cream. The falls are deeper, with a touch of blue at the tip of the yellow beard; a deeper yellow wash in the haft gives a warm glow. The flowers are of heavy substance and close, smooth texture. The stalks leaned over a bit, due, probably, to the rains, as several who had seen it in other seasons remarked that the stalks had always been very sturdy. There is enough yellow in the arched standards of WHITE PRINCE to give it a creamy warmth. The semi-drooping falls are white with a yellow flush and show a deep yellow beard. The smooth finish of the eight flowers of medium size, well placed on low and widely branched stalks, all good features, command a place for this iris among the top flight whites. SNOW DROP, Mr. Douglas' other white, being introduced this year, is quite different, but equally valuable in its class. Of very great purity, with ten flowers on the nicely branched 32-inch stalk, it will have a long season of bloom. The standards are not quite closed, the falls semi-droop.

FRANCONIA, Dr. Graves' new white, has a smooth, even texture; the standards arch, the falls flare. With pale yellow veins in the haft, there is an iridescent sparkle which gives lustre. Branching just above the center, the flowers, six and seven to a stalk, are well placed and spaced, and should hold well under all weather conditions. Growing nearby was WINTER CARNIVAL, Robert Schreiner's splendid white. A rounded full flower, the standards hold together nicely, the falls flaring widely with nice breadth in the haft. It shows a purity of tone that suggests newly fallen snow. While not so widely branched as is FRANCONIA, the flowers are so well spaced on the medium short branches that the three open together show perfectly. This I consider the nearest approach to MATTERHORN in clarity. Since 1935 when, as No. 35-8, it first came to my garden, MATTERHORN has been the white by which I have judged whites for clarity. As it opened first in the seedling field while I was visiting the Sassés, I had a chance to watch it for several days in its home garden. The buds had a creamy look, but the opening flower had a greenish underlay which cleared to crystal. It was slow of growth in the Ardmore garden, but at the farm it is growing more rapidly, and this year a clump was very fine indeed, each bloom lasting several days. SHARKSKIN is another white that will be sought out.

Very smooth, it is cool looking with its gold-lined haft and wide yellow beard. The flowers are nicely proportioned and well placed on branched stalks.

VIOLET SYMPHONY is lovely. Its petals have a ridged effect which gives it a fascinating appearance. I should like to plant it with blues and creams, with yellow violet blends nearby. The flowers are held well on widely branched stalks and are of goodly size and form. DEEP VELVET, rich dark violet purple with a brown-lined haft, has slightly opened ruffled standards and flaring falls. One could wish for better branching as the flowers are a bit bunched, but it is a handsome flower in the dark tones. THE ADMIRAL is another effective dark iris, a brilliant violet blue self with a blue tipped beard. The standards are frilled, and the semi-horizontal falls carry maroon haft markings. There are five flowers on a high-branched stalk.

A rich royal purple is LORD DONGAN, quite aristocratic in its fine form and smooth finish; a nicely rounded flower with arched standards and flaring falls. The hafts are clean, which is an asset in the richly colored dark selfs. Six flowers, three open together, are well spaced on a rather short-branched stalk. Of the Kenneth Smith iris I have seen, I like it best.

There are a number of new blues being listed, but as one looks at them none is really blue blue. Lavender blue, purple blue, yes, but it seems as hard to work the purple out of the blues as it does out of the pinks. Much careful work on the part of the hybridizers remains to be done before we have really blue iris.

Of those seen for the first time, I liked ANNABEL, as it bloomed in my garden, as much as any. It is a self, of a medium light blue, of quite pure tone. The flowers are nicely rounded, several open at a time and last several days, so firm is the substance. It should prove one of the most useful iris in the garden as it seems to be of such easy growth and freedom of bloom. Taller, and very stately, is TISHOMINGO from Wentworth Caldwell, of Nashville. This is a blue-lavender self, with rounded standards and flaring falls, nicely proportioned. The flowers are well placed and spaced on branched stalks. It is a crisp flower of close texture and firm substance. SILVER LUSTRE (Carpenter) has one of the finest stalks I have ever seen, the branches which carry nine blooms, three open, being beautifully balanced. It is a crisp, firm flower of arching standards and widely flaring falls. An unnoticeable yellow beard,

blue tipped, gives a glow in the haft, but does not detract from the smooth flow of color. It opens a light medium lavender-blue, fading evenly to paler lavender and remaining pleasing in color until the flowers pass. Quite different in effect is CHICORY BLUE, so aptly named. Low and widely branched stalks carry six flowers of a deep, even tone, the falls having a pleasing yellow beard in the wide haft, blue tipped on the blade. They are nicely rounded with domed standards and flaring falls. I think it will hold the color well, even under hot suns.

AND THOU is a late bloomer of rounded form, the falls flaring. The flowers, as I saw them, seemed to have a greenish tint through the blue which gave a much cooler blue tone than that found in the blues usually associated with the name of Josiah Wedgwood. A blue and pale yellow beard set off the softer tone of the petals. As most of the late blooming iris are in other colors, AND THOU will be doubly welcome for its individuality of character and beauty as well as for its season of bloom. Dr. Grant has brought out an especially pleasing iris in SPARKLING BLUE. It is tall with well-branched stalks on which nine blooms are well spaced, with four open at a time. It has pleasing form with fluted domed standards and flaring falls of smooth texture and good substance. The flowers, deliciously fragrant, have a frosted appearance which adds to their beauty.

ICY BLUE is another aptly named iris. In my opinion, it is the best iris Mr. Weed has originated. The flowers are of heavy substance and smooth, close texture, with semi-open standards and flaring falls, a most pleasing form and well proportioned. The stalk is good with three branches, and three open blooms. Quite often these very pale blues—or blue-whites—have a smoky look, but this is a clean, crisp-looking iris.

There were two iris, guests in Mrs. Nesmith's garden, to which I returned many times. One, called "Pattison blue," a seedling from Mrs. Pattison, is a very beautiful lavender-blue of fascinating form and heavy substance. The standards are waved as also are the very flaring, almost horizontal, falls; a nice wide haft adds greatly to the finish of the flower, while the white beard gives a touch of coolness. The three open blooms lasted several days and were so well spaced each showed perfectly in outline. I feel it should be introduced as, so far as I know, there is no other quite like it in just that cool coloring and with such winsome charm. The other,

FAIRHAVEN, is a seedling from the garden of Mr. Buttrick, one of our New England members. The stalks are slender, with four branches, the lowest, six inches from the base of the plant, having a secondary two-inch branch. It is very free blooming, throwing up many stalks, each carrying seven flowers. A light blue self of fine substance, beautifully rounded with flaring falls, it most nearly approaches my conception of blue than any iris I recall, with the exception of DR. CHOBAUT. It is an iris one would be very proud to grow. I venture to predict a warm welcome for FAIRHAVEN should it be introduced.

I like the variegata blends when the color is clear and brilliant. It is as such I would class YOUTH'S DREAM. It has a jaunty air, being somewhat like ROSE DOMINION in form, the color very brilliant, in browns, gold, and red-purple. Rightly placed, it would add pep to a planting. The only fault was a tendency to bunch the flowers near the top of the stalk. BUCCANEER has slightly waved standards done in golden russet, the falls red-brown with a gold haft, this gold extending to show through the brown over part of the blade. Gold styles and beard add to the brilliance. The stalk is well branched and carries six blooms. MARY VERNON, from Mr. McKee, seems to have all the good qualities required for a fine iris. The arching standards are golden bronze with a rose flush, while the widely flaring falls are a bright ruby red with a slight gold edge, the haft being gold veined. A brilliant flower of heavy substance on a well-branched stalk, it is a welcome addition to the deep rich blends.

MELITZA, in well grown clumps, is most interesting, but this year had to share honors with her child, LEILANI, which caused her to look a bit pale. How can one describe the indescribable! Of course, one has Ridgeway, but how meaningless are the terms to the majority of our members. LEILANI looks to be a decided color break for "pinks." It is like rich Jersey cream to which some pink coloring has been added and stirred carefully to a soft creamy pink infusion. Add a tangerine beard, heavier lines of the same pink in the falls, which gives added intensity, and you have the color as it looked to me (but probably to no other!). There are eight flowers well spaced on a wide and low-branched stalk.

Late Sunday afternoon we drove to Concord, N. H., to see Dr. and Mrs. Graves and the seedling gardens. Much has been written about the growth and early bloom of the Doctor's seedlings. Seeing

is believing. I saw! The quality, especially of branching and substance, is amazing. One could search, not for what to save, but for what could be spared to make more room. His whites and lavender-blues were especially outstanding, and there are many blends that compare very favorably with those now distributed. One could choose many worthy of introduction. It was late, and we had to leave the garden far too soon, but the Smiths and Mr. Cassebeer were leaving on the evening train from Concord for New York. Mrs. Graves had a delicious supper waiting for us, and after an interesting evening of iris gossip, we returned to Lowell.

The next afternoon, Mr. and Mrs. Nesmith took Mr. and Mrs. Wills and me to see Miss Sturtevant's and Mr. Gage's new gardens. One always feels a sense of anticipation when going to Miss Sturtevant's. A spirit of tranquility rests over her garden, much of it due to her great personal charm. As we wandered down the shaded paths discovering new beauty at each turn, or sat quietly chatting with her about the garden and flowers, my thoughts traveled back across the years during which she has been a guiding light to the Iris Society. Only once did I know her to wander far afield in iristime, but hers was the spirit that molded our beginnings. Always she was the inspiration to budding hybridizers, ready with good counsel. It was she who first listed the Sass iris, and from the foreword of her small catalogue, their fame was spread. Without her, there would have been no Iris Society.

Mr. Gage had moved his iris garden last fall so there was not the wealth of bloom I remembered from my last visit. But it was good to see samples of HAZEL GALLAGHER, EDNA HICKS, ETHELYN KLEITZ, and MORNING CHARM, varieties about which I had read in the BULLETINS. CREAMILDA, a large creamy yellow and white with a wide haft, ruffled standards and flaring falls, interested me very much, but Mr. Gage says it is a poor grower. He had a fine blend blooming for the first time that looked promising. NED LEFEVRE and L. MERTON GAGE, seedlings from Mr. Lapham, were blooming. The latter has lovely color, a raspberry pink, but shows a tendency to fade in the bright sun. I thought NED LEFEVRE the better iris and wished it might have been named for Mr. Gage. It is a medium-size flower of nice substance, a brilliant rose blend with a yellow underlay. The stalk is high branched.

Summing up my impressions, I find that most of the newer introductions I saw were notable for their substance and the branch-

ing and placing of the flowers. There seems to be not nearly so many clubbed stalks, and I believe our hybridizers are finding that color alone is not the answer to what makes a good iris. For many years my iris theme was "substance," as without a strong midrib and the needed starch, color was nothing. At last it looks as though the iris with poor substance will be the exception—not the rule.

THE ORIGIN OF CULTIVATED BULBOUS IRIS

JAN DE GRAAFF

■ LOOKING through some old garden magazines, we found the following passage: "It is astonishing that the majority of gardeners should be content to grow plants year after year without wishing to know whence they come or how they have been evolved."

This lack of information or uncertainty is especially true of growers of bulbous iris since even the raisers do not agree as to their origin. It is the purpose, then, of this article to state briefly what is known about them, and it is to be hoped that more competent botanists will finally decide the issue.

The question of the origin of our bulbous iris is definitely of more than academic interest. The production of bulbous iris in the United States has reached a volume of tens of millions of bulbs annually, which represent a crop value of well over a million dollars per year. A critical study of the range of varieties and hybrids available reveals at once a definite shortage of certain types. It is our belief that a close study of the origin of the varieties we now have may reveal new avenues of approach to the raising of hybrids with new colors and other desirable characteristics.

Since we are not botanists and since, due to the war, it is now impossible to obtain the true species from abroad, any conclusions reached by us are to be considered in the nature of guesswork. We leave it to others, more competent in this field, to check our findings. If, in these brief pages, we offer some clues to other investigators, we shall feel well compensated for our efforts.

Looking through the very limited library at our disposal, we find that the bulbous iris which come within the range of our inquiry are sub-divided botanically as follows:

BULBOUS IRIS WITHOUT SUMMER STORE ROOTS

Flowers borne on a stem

1. Leaves not more than two. Bulb globose, with
 shaggy coats *I. Sisyrinchium*

- Anthers adherent below, leaves two *I. Sisyr. type*
 leaf one *I. Sisyr. v. monophylla*

- Anthers not or rarely adherent.
 Flowers much spotted *I. Sisyr. v. maricoides*

2. Leaves more than two:
 - A. Perianth tube absent:
 - a. Segments lax and broad *I. xiphioides*
 - b. Segments stiff and narrow:
 - aa. Fall fiddle-shaped:

Flowers bluish or white, with segments
 spread horizontally *I. xiphium*

Flowers yellow, segments forming a
 funnel *I. xiph. v. lusitanica*
 - bb. Fall not fiddle-shaped:

Claw of fall nearly as broad as blade *I. xiph. v. Battandieri*
 Claw very narrow *I. serotina*
 - B. Perianth tube variable. Fall fiddle-shaped *I. filifolia*
 - C. Perianth tube distinct and conspicuous:
 - a. Perianth tube not longer than ovary:
 - aa. (?) Fall fiddle-shaped *I. Fontanesii*
 - bb. Fall with narrow claw and ovate
 blade *I. tingitana*
 - b. Perianth tube much longer than ovary:
 - aa. Flower purple, with a slight beard on
 the fall *I. Boissieri*
 - bb. Flower yellow *I. juncea*

Condensing this classification and eliminating those iris which have not played a role in the production of our garden iris, we find :

I. xiphioides standing by itself, since it differs in the shape of the segments, capsules, and seed. There can be no doubt that this iris is the parent of our English iris. Seedlings from it show a great variation in coloring, but attempts to cross it with other species have been unsuccessful.

I. xiphium is very similar to the remaining three, except that the absence of a linear perianth tube should be noted.

I. tingitana } these two have a linear perianth tube between ovary
I. filifolia { and the broad, funnel shaped perianth tube.

I. Fontanesii has not yet been studied.

The garden varieties of our Spanish iris do not show any trace of the linear perianth tube, so we may assume that they have been evolved from *I. xiphium*, perhaps crossed with its yellow form, *I. xiphium*, var. *lusitanica*. We have many hybrids of Spanish iris, none of which shows the linear tube, and since crosses we have made between *I. xiphium* varieties and other species all show this perianth tube, we may assume that our Spanish iris are nothing but garden forms of *I. xiphium*. But, *I. xiphium* in the wild state flowers much later than the Spanish iris. Quoting from W. R. Dykes, the noted iris authority: "*Iris xiphium* flowers in August-September in Southern Spain, it flowers about July first at sea level in Southern France (Riviera) and about July 15th in England."

Comparing these dates with the flowering dates of our own bulbous iris in Oregon, we find that our earliest flowers, the results of crosses between *I. xiphium* and *I. tingitana*, flower early in May,

that the Dutch iris flower about June 1, and the Spanish iris, about June 10. It seems unlikely then that *I. xiphium* could be the parent of the Spanish iris were it not for the fact that there is one from Algeria which flowers quite early and which is probably that described in literature as *I. xiphium praecox*. This has been sold in the trade for many years under the name of *filifolia*, but it definitely is not the true *I. filifolia* as described by Boissier.

The *I. filifolia* of the trade (*I. pseudo-filifolia*) or, better yet, *I. xiphium praecox*, has no perianth tube. The blooms are large with blue-purple standards and pale blue falls. It flowers shortly after the *tingitana* group. Crosses between this iris and the various garden forms of the Spanish iris (the latter grown under glass to have them in flower at the same time as the *pseudo-filifolia*) resulted in large-flowered early forms—similar to and, we believe, identical with, the varieties which we have introduced as Dutch iris. One important point to note, apart from the absence of the perianth tube, is that the *pseudo-filifolia* has a narrow golden central stripe on the falls.

The true *I. filifolia* has the perianth tube, and its coloring is very rich reddish purple. The falls are decorated with a broad, central golden, oblong patch, surrounded by a blue halo.

Now it must be remembered that there are in the trade two entirely separate strains of Dutch iris. The one, raised by Messrs. C. G. van Tubergen of Haarlem, Holland, includes such varieties as REMBRANDT, VAN EVERDINGEN, HEEMSKERK, and HUCHTENBURG. All of these are characterized by the large yellow blotch on the falls. The other strain, raised by de Graaff Brothers of Noordwyk, Holland, is characterized by the narrow golden yellow stripe on the falls and includes varieties like YELLOW QUEEN, WHITE EXCELSIOR, POGGENBECK, THERESE SCHWARTZE, etc.

Mr. C. G. van Tubergen states that pollen of both *I. tingitana* and other species was used to fertilize the *pseudo-filifolia* or *I. xiphium praecox*. Referring to this statement, Mr. W. R. Dykes says: "This I do not want to traverse, but I am afraid I must still maintain that, except possibly in the shape of the blade of the falls and in the soft blue coloring of some of the magnificent flowers that Mr. van Tubergen sent me, I have failed to find any trace of that structural difference which separates all the other species from

I. xiphium. None of the van Tubergen iris show any trace of the linear perianth tube, which hybrids of *I. xiphium* and *I. tingitana*, such as the famous WEDGWOOD, have a linear tube of over half an inch. Evidently, at least in the first generation of hybrids, the presence of the linear tube is a dominant characteristic." Mr. Dykes concludes from this that the van Tubergen iris have no other parents than *I. xiphium* and its varieties *praecox* and *lusitanica*. However, it appears to us that the golden blotch on the falls is also a very definite characteristic of these hybrids, and we therefore conclude that a possibility exists that the van Tubergen iris are the result of crosses between the true *filifolia* and *I. xiphium praecox*.

The de Graaff iris showing a narrow golden yellow stripe on the falls are then probably the result of a cross between *Iris xiphium* and the earlier forms of this species with Spanish iris. We feel quite positive about the origin of the de Graaff strain of Dutch iris since old records in my possession show that we maintained at our nurseries in Holland large stocks of *I. xiphium praecox*, and since a lot of hybridizing always went on at our nurseries, it seems likely that we crossed this early blue iris with the many varieties of Spanish iris grown at that time.

On the other hand, the van Tubergen nurseries specialized in rare collected bulbs, and it seems very likely that crosses were made first with *I. xiphium praecox*, *I. tingitana* or with *I. xiphium var. lusitanica* (the yellow *I. xiphium*) $\times$ *I. filifolia* (true). The only way to decide on the origin of this strain seems to be to duplicate the various crosses, something which is at present impossible since, due to the war, no true strains of the species are available.

We mentioned earlier in these pages that *I. Fontanesii* has not yet been studied. Sir Michael Foster stated in 1892 that he had not seen this iris and that it might be a variety of either *I. tingitana* or *I. filifolia*. We have not been able to find any later references to it in literature, although we find it offered in foreign catalogs as *I. tingitana*, var. *Fontanesii*. Judging by descriptions of the true *I. filifolia*, we thought at first that this iris might be identical with *I. Fontanesii*. The specimens of *I. Fontanesii* in our nursery reached us through the courtesy of Professor Sydney B. Mitchell, of Berkeley, Cal., and we have in our possession a number of hybrids raised from it and Dutch iris varieties.

W. R. Dykes in an article in the *Gardeners' Chronicle* (May 28, 1921) states: "We cannot expect much from the combination of the Dutch and Spanish iris varieties with any of the allied species though they are distinct enough in themselves. Thus *I. filifolia*, when hybridized, loses its magnificent red-purple color."

Now it is a fact that the *I. Fontanesii* hybrids in our nursery all retained the red-purple coloring; we believe we may assume, therefore, that *I. Fontanesii* is a distinct species, especially since we know that Dykes based his statements on many actual experiments. Summing up, we find:

1. That English iris are nothing but garden varieties of *I. xiphoides*.

2. That *Spanish Iris* are garden varieties of *I. xiphium*, possibly crossed with its varieties *I. xiphium praecox* and *I. xiphium var. lusitanica*.

3. That *Dutch iris* (van Tubergen strain) may be the result of crosses between *I. filifolia* (true) with *I. xiphium* varieties.

4. That *Dutch iris* (de Graaff strain) are the result of crosses between *I. xiphium praecox* and Spanish iris.

5. That WEDGWOOD is the result of a cross between *I. xiphium* and *I. tingitana*.

6. That the new strain of bulbous iris raised by Mr. Carl Salbach are the result of crosses between the true *Iris Fontanesii* and *I. xiphium* hybrids.

THE SEASON AT ROANOKE*

LUCILE REAMY STEEDMAN

■ THE iris season opened in Roanoke during one of the driest spells this part of the state has seen in decades. Many a gardener would have liked to have left home before the water bill for April and May came in. Then right at the time when the tall bearded iris were opening up, the City Fathers decreed that the garden hose could not be used for any purpose. Toward the last, as we were busy crossing iris and dreaming of next year's seedlings, "the rains came," in barrels, and many a promising set was lost.

The season was the longest I can remember, starting about the third week in April, and the final bloom on DIRECTEUR PINELLE faded on June 2. But this was too short to study and take notes on all the new iris that I saw this year and at the same time to go over again the estimates made last year. It would be a Herculean task to give each new iris seen this year a correct and fair rating. But in between First Aid and Canteen classes, I did manage to see some of the newer varieties and take notes on them.

First, as to general impressions. The color range is getting very much wider. Coppers and browns are becoming more and more numerous among the newer introductions and seedlings from all parts of the country. Lovely shades of coppery browns, reds, pinks, and tans can be counted by the dozens. The family resemblances of NARANJA and HELIOS show up in the red and brown flushes and pencilings on so many of the new yellows. Pink iris seem not so far off, if we can judge by Mr. Lapham's newest offerings, and at that I have not yet seen improved "Sea Shell." The reds are not making so much progress, though one or two seedlings give promise of future reds. An introduction of Mr. Sass's, STARLESS NIGHT, is a decided advance toward a black iris. The regular appearance of GOLDEN HIND beards among the newer varieties is noticeable. And this is an added attraction. Substance is improving, too. I did not seem to notice so many floppy iris this year.

I was impressed with the lack of really good branching. Five to six blooms are the average. Two varieties stood out because of their exceptional fine branching, Hall No. 40-50 (a blue iris) and a GOLDEN MAJESTY seedling of Mr. Fishburn's. Both have the best branching I saw this year. Color alone should not warrant the introduction of an iris. Branching and floriferousness are just as important, in my opinion. Now that every one is getting fine color breaks, why not go to work on branching and try to improve this characteristic, with an eye to floriferousness, too?

The appearance of tall bearded iris with the intermediates and the new late bloomers is extending the season by at least two weeks. Most of these tall "earlies," however, have only three or four blooms to the stalk. ALASKA, SUN GOLD and some of its seedlings, with several fine seedlings from Mr. Schreiner are steps in the right direction toward the creation of a new race of extra early tall iris. And near the last of the season, ADIOS, one of Mr. Cassebeer's seedlings, blooms after LIGHTHOUSE and HOLLYWOOD are gone. Perhaps some

enterprising hybridist can cross this iris with DIRECTEUR PINELLE, LIGHTHOUSE, and even old BRUNO, and get a race that will bloom well on into June.

Stalks are getting stronger, and fewer will have to be staked. Garden Club members interested in making flower arrangements have to go far and search long these days for iris with interesting curves and twists, so assiduously have the hybridists (mostly men) bred out these curves. The most sought after iris in my garden by those interested in flower arrangements is a Washington white seedling without even a number. It has so many twists and curves that when my husband learned that it had no name he promptly called it "Slightly Tove," and so marked it. The only complaint against it is that one cannot always count on the curves. Those out for blue ribbons in flower arrangements look for interesting curves as much as does a man on the back of *Esquire* magazine.

Mr. Schreiner has some intermediate seedlings that will be a welcome addition in every garden. No. 1-10-39 is along the line of SABLE in shape with strong stalks, good substance, but only three buds. No. 1-4-39 is a white with good branching and shape of bloom, but poor substance. ALASKA is much taller and better. SIR MICHAEL JR. is a very nice trim little iris. Intermediate in size and height and of the same coloring as its famous namesake, it seems to be vigorous and is one of the best of the newer intermediates. The standards open a little, but on the whole it is a real fine iris for the early garden. ARISTO, a tall intermediate, suggests AMIGO in coloring with darker falls. It has only three blooms to the stalk, the substance is good, and the falls flare nicely. ANDALUSIAN BLUE, a medium blue, flops badly but has strong stalks. TOUSSAINT DE LOVERTURE is a floppy intermediate with weak stalks; it was probably named because of its gorgeous red velvet falls. No. 1-29-39 has cream standards and ruffled brown falls. On the whole, the intermediates are getting taller and in a wider range of colors, but as a rule they still have only three or four blooms to the stalk.

The light blues again make the best showing in the garden with almost every hybridist having a good one in this class. BLUE DELIGHT was head and shoulders over everything blooming early. It has retained the best features of its parents, the frostiness and substance of GLORIOLE and the clear blue of SHINING WATERS with the very new flaring "Sailor Hat" shape of ELEANOR BLUE, ICY BLUE, and MELITZA. If anything can keep this iris from getting

the Dykes Memorial, it will be the fact that it blooms and goes before the judges start out visiting iris gardens. LIGHTHOUSE had the same tough luck of not being on the stage at the right time when most of the judges did their work. A sister seedling, FAIR SKY, is a very much paler blue and, while not quite so good as BLUE DELIGHT, is still a very, very good iris. SPARKLING FROST, with GLORIOLE texture and a medium-size bloom, has falls that curl up at the end in a very attractive way. BLUE RIVER has the prettiest bloom, and is of a deeper blue than any of the above varieties, but this year it bloomed down in the foliage. LUCERNE, darker yet, has flaring falls and tall straight stalks, with seven and eight blooms to a stalk, which do not have to be staked. ICY BLUE was quite fine again this year and is a very prolific iris. MOUNTAIN SKY has lovely substance and is a good clear color. It, too, has a GLORIOLE substance.

Everyone is getting good yellows as far as height, texture and color go. So many of them have a reddish flush or penciling on the falls. Two iris stand out way ahead of the others this year in this color class. Earlier, FORT KNOX took the center of the stage and held it against all comers while it was in bloom. A smooth golden yellow, it has good branching and a shape that is quite tailored in appearance. The blooms are as fresh on the second day as on the first. This iris is going places, I think. YELLOW GLORY led the field among the later bloomers. It has good substance and a real crome yellow color with fairly good branching. SPUN GOLD was quite fine. Last year it was somewhat overshadowed by GOLDEN SPIKE, but it was a different story this year. This iris has a velvety texture to the falls not noticeable in any of the yellows. SNOW VELVET has the same velvet texture among the whites. But SPUN GOLD does not like the hot sun any too well. GOLDEN SPIKE had very erratic stalks this year and did not make the fine showing that it did last season. RAEJEAN is a light yellow with poor branching. From the West Coast comes one of the most popular iris in the garden this year, PRINCE OF ORANGE, a deep, vivid orange yellow which has splendid carrying powers in the garden. It has medium-sized blooms and stalks that are consistent in height. The branching could be improved, but it is so floriferous that this fault can be forgiven. Somewhat like BURNISHED GOLD, it has a smoother texture and tone. I think it is one of the most desirable of Kleinsorge's introductions although it is not perhaps so dramatic or so fine an iris

as ORMOHR or ARCTIC. SUN HAWK is a vigorous crome yellow with a suspicion of green in its tints. The falls are lighter with fair branching. I saw CALIFORNIA TREK for the first time this year. The bloom is perfectly beautiful with beruffled light yellow standards and white ruffled falls edged with yellow. It is a very feminine iris. However, it does not strike me as being very vigorous—two bloom stalks and one increase on a two-year plant.

SUTTER'S GOLD was just another yellow. The bloom stands up well in the sun, and it seems to be a strong iris. It has a reddish flush on its falls.

BURNISHED GOLD has very irregular stalks, but its color is the orange yellow that has such drawing power in the garden. A few brown veinings around the haft are not so much a fault as an asset, and the beard is attractive. It has a larger bloom than PRINCE OF ORANGE, but the nod goes to PRINCE OF ORANGE. BUTTERCUP LANE showed up well this year. It has papa GOLDEN HIND's coloring and beard without his carelessness. Five to seven blooms are to a stalk. EVER GOLD pinches and tucks its falls slightly, and its branches crook somewhat, but that is an asset for arrangements. Its branching is only fair. ELLA CALLIS is rather a coarse greenish yellow with a reddish flush on its falls. It water-spots somewhat. EX-PRESIDENT is not so good as NARANJA, though of the same coloring. KING'S RANSOM is a deep golden yellow with brown veinings and a nice ruffled edge, but has no appeal for me.

Among the creams, SUNDAY BEST drew the lion's share of "Oh's" and "Ah's." It is a large and very spectacular iris with immense blooms, good stout stalks, fine substance and six blooms to the stalk. I might say right here that if Mr. Fishburn's garden could be considered a large iris flower show, Dr. Grant would probably have carried off the sweepstakes for the large number of fine new varieties this year. Mr. Hall and Mr. Kenneth Smith would have come in for a goodly number of blue ribbons for fine varieties, too. My favorite among the creams is CARVED IVORY which, while not a very new iris, is still one of the prettiest. The frills around the edge and its nice shape puts this in a class with CALIFORNIA TREK and SNOW FLURRY. ARCTIC has very good substance, is very floriferous, and has good branching. It has to be staked, so heavy are the blooms. ALIGHT is a medium cream with yellow around the throat. LAGOS

is a little more yellow. There used to be a dearth of creams, but each year we are getting more and more of them. This is fortunate because they go so well with the browns and russets which are increasing at such a rapid rate. **IVORY QUEEN** bloomed out again this year. Is this a regular habit? It has a smooth velvety substance, and I like it better than **CHRYSOLITE**, which watermarks somewhat and is of a shape which I do not like. There is a curious little iris of pale yellow standards and white falls with yellow markings around the throat, called, appropriately enough, **YELLOW THROAT**. I cannot find it in any catalog. It is very attractive for the front of the border. **SPRING DELIGHT** is along the coloring lines of **GOLDEN MADONNA** but is not so attractive.

Among the whites, **PRISCILLA** is the whitest I have ever seen, with its sheen like **GLORIOLE**. The branching could be improved, but I saw it on a one-year plant. **WO PEEN** is a pure sparkling medium white with just the faintest yellow flush on the falls. It is floriferous and has six blooms to the stalk. Altogether it is a nice little iris. **ELAN** is another new white with rather ruffled dome-shaped standards and ruffled flowering falls. But no whites have yet appeared to surpass or take the place of **PATRICIA**, **NOEL**, **MOUNT WASHINGTON**, or **SNOW FLURRY**. **NOEL** tends to bloom out, but if this tendency can be overcome it will rate very near the top. **SNOW VELVET** should be in demand by hybridists. It has the velvety texture in its falls found only in the reds and blues. Branching is only fair; blooms, medium in size and ruffled.

The bright pink color, so long dreamed of, seems nearer, and Mr. Lapham has quite a few new introductions and seedlings to prove he has been working on this problem. The best, so far as color is concerned, is a seedling—Lapham No. 8. It is a dull pink about six shades away from the bright pink of geranium or gladiolus. **PINK VISTA** is more of the old-rose pink coloring with very poor branching. **PINK MARVEL** is a shade between **BELLE COVERT** and **SALMON SPRITE**. The falls pinch, and they have the “dog-eared” shape of **SELENE**. **BELLE COVERT** is very like **DUBROVNIK**, but without the bright blue spot. **DUBROVNIK** is the better iris. **SALMON SPLENDOR** has the **NO-WE-TA** shape with the same imperfect bloom at times. A dark bronzy pink, it is nothing to get excited about. Ditto for **SALMON SPRITE** a shade lighter. **JANE NEALE** is a much more finished iris and as good a pink. **BEVERLY** is a dusty rose

color suggesting EROS. None of these iris have anything to recommend them outside of color. FLORA ZENOR, a good pink, has a better shaped bloom though the stalks are leggy. LULLABY, with a metallic sheen over a light pink, is quite fine in color, substance and stalk. Last year on a one-year plant the stalk was short, but this season the stalks were taller and there were many of them. It drew quite a bit of favorable comment in the garden.

There are many of the darker shades of pink with coppery tones, from the apple blossom pink of LULLABY all the way to the browns. TAPESTRY ROSE, CALIFORNIA PEACH, and NED LEFEVRE are outstanding in this class. These vary only in shades and tints.

All the hybridists have new copper and brown iris to show this year. COPPER FRILLS is a very attractive medium-sized bloom. Its color is better than that of COPPER CASCADE. About the size of RHETTA, it will be fine for arrangements. DeForest No. 15-40 is a lovely "Con Leche" brown color with a smooth texture. Dolman No. 227 is a nice pinkish bronze, very like the color breaks that Mr. Hall gets. UNIQUE is along the same lines, both in shape and color, as AZTEC COPPER, not so frilly but with the same sheen and a shade lighter. FORTUNE is a variation on the same color scheme. AUTUMN SPLENDOR with its NO-WE-TA shape is a pinkish bronze. WAKARUSA is a very fine color break. It is not a very tall iris, but it increases rapidly and is of a lovely reddish brown copper color.

Mr. Hall has a whole series of marvelous shades in coppers. He is an artist when it comes to getting startling and dramatic colors. SAMOVAR is a lovely rich metallic brown, and while it multiplies rapidly enough, it is not at all floriferous—one stalk in about 25 rhizomes. However, I am told that it does better elsewhere. But he has half a dozen more seedlings with equally good coloring that are more generous with their stalks. In a few years, when these copper iris are in everybody's garden, the judges of arrangements at flower shows will certainly have a good time with the classes calling for copper tones in copper containers.

The reds do not seem to have made much advancement toward the bright red shades of which we all dreamed. GARDEN FLAME, RED VALOR, RED GLEAM, and EDWARD LAPHAM vary only in degree of color. GARDEN FLAME is more rose than the others, but is not so vivid a color. RED VALOR is a shade between EDWARD LAPHAM and RED GLEAM and is a much more finished iris. EDWARD LAPHAM has

falls that pinch at times and its stalks are shorter. RED GLEAM seems a better iris this year than I remember it last season, and with a better texture, too. Lapham No. M-8 embarrasses all four of these iris when it comes to color. It is much nearer to what we want in reds. It has, however, no other worthwhile qualities. Hall No. 40-11 is a red and yellow plicata so sanded and veined in a vivid red that it gives the effect of a vivid red iris with a little yellow in it. Hall No. 40-95 is along the same lines (about 80 per cent red, 20 per cent yellow) but is not so good an iris. These will certainly lighten up the red iris border if they prove to be floriferous. DISPLAY is Dr. Grant's contribution to the red border. It burns in the sun and bunches badly. It is a very rich color although on a short stalk on a one-year plant. RED VALOR and THE RED DOUGLAS are still tops for other characteristics than color alone.

For the plicatas, two new varieties appear that are good: ADVENTURE, with brownish red markings, has exceptionally good substance and the shape is attractive; LADY NAOMI is sanded with blue something like FLORENTINE and with red pencilings around the haft. Its branching could be improved. ATHALA is another very sanded iris with blue and white falls.

Among the dark iris, DEEP VELVET is still near the top. ACE OF SPADES was growing next to it in the garden, so a comparison of the two would be in order. ACE OF SPADES is not so tall as DEEP VELVET, and its blooms are a trifle smaller, only five to the stalk, while DEEP VELVET averages six to seven. Its falls are more velvet and a shade darker, and its beard is darker, while that of DEEP VELVET is yellow. Both hold up well in the sun. The nod goes to DEEP VELVET, but then its got to be an exceptionally good iris that dares to compete with it. WEST POINT has lighter standards than MISSOURI NIGHT, and both are good all-around iris. Mr. Hall's contribution to this color class is perhaps one of his finest iris, NIGHT FALL (No. 38-24). It would certainly rate among the first dozen good iris in the garden.

Among the dark red blends, DERRILL HART is very spectacular and quite fine. After a hard rain it stood up as fresh and as lovely as if it had just opened. In the last days of the season DIRECTEUR PINELLE's blooms still furnished a glorious finale to the season. A whole row of this iris in the garden wouldn't be too much. Among the light reds, LIGHTHOUSE, ETHELYN KLEITZ, and ANCHORAGE are

variations on the same color scheme, and all three are equally good. ANCHORAGE is quite worthy of the good company it is in. Those who like giant iris got a thrill when they saw OLD ROSE. Its color is suggested by its name. It has good branching and stout stalks. Another similar iris is Milliken No. 17-5313. Several thought MELANIE (along the same color lines and another giant in size) one of the outstanding iris in the garden.

This was not a variegata year. Only four do I remember seeing bloom, CITY OF LINCOLN, PERSIAN PRINCE, CONSTELLATION, and Hall No. 38-9. The last named tends to curve a little at the top of the stalk, but that makes it all the more desirable to those who like iris for cutting. It does not always do this, however. Standards are a clear bright yellow and the falls are a velvety garnet, but not so bright and vivid as the falls of CONSTELLATION. PERSIAN PRINCE is a small but very vivid iris. Of the three, I prefer Hall No. 38-9.

There are many new oncocyclis hybrids in the garden this year. These draw a great deal of attention, particularly among those who are not iris fans. In my own garden OYEZ got the lion's share of attention while it was in bloom, although WABASH and THE RED DOUGLAS and many of the other aristocrats were blooming in the same bed. One visitor advanced the opinion that it could not be an iris because it was too pretty! The taller and hardier these oncos get, the less resemblance they have to the onco side of the family, and by the same token, the less interesting they are. ORMOHR and GRACE MOHR are better, taller and and hardier in every respect than the others, but I prefer the smaller and more startling types. CAPITOLA, a newcomer, is one that I particularly like. It is larger without losing its onco characteristics. A large bloom in a lighter, brighter shade than the first two named, it is a very pretty iris when it first opens, but alas, it flops. ORMOHR has four blooms to the stalk, GRACE MOHR, three, and CAPITOLA, only two. MOHRSON is not so dramatic as the others, a good deal darker and with only three blooms. FAR CROSS is taller. SOQUEL, a great deal lighter in color than CAPITOLA, has quite a bit of pink in it; there is more of the interesting veining on CAPITOLA and a remnant of the signal spot so characteristic of the oncos remains on its falls. MISS MUFFETT comes nearer to being to what I would call an ugly iris than any I know of. A tan yellow with wrinkled texture that watermarks with flecks of purple in the falls suggests a poor, diseased Dykes seedling. It is very sloppy. SUSAN OF HILLY is a very prim little white iris

with a blue signal spot. OYEZ, SOME LOVE, PRESENT, CAPITOLA and ENCHANTED are the most attractive of the lot and the ones I would rather have. ENCHANTED is a pink which it might pay some of the hybridizers in search of that elusive bright pink to use in their crosses. OYEZ is the most rapid grower of the lot. A number of these oncos would make your garden not only interesting, but give you new material for flower shows.

Horace says that one should keep back his book till the ninth year after writing it before letting it be published. There were many iris I saw this season that I feel if they had been kept back until the third year would never have been named. TOWER OF JEWELS is one. Everyone gets seedlings like this one every year in his seedling patch. Iris like this should be used only to give away to people not particularly interested in iris when they insist on your giving them some of your very best named varieties. BO PEEP and PINK MARVEL are two others exactly like the first two hundred seedlings you get when crossing PINK SATIN, NO-WE-TA, and EROS. BLUE BROCADE and BROMINION you get by the dozen. ELIZABETH ANN has no qualities to warrant naming it. GENEROUS is a pale violet with darker falls that is another typical seedling. PORRINA, a creamy iris with veinings galore and even more watermarked, is another one that will come in handy to send to your worst enemy. 'TIS MORN, a dullish iris with poor branching, is one that I can live without. DAWN OF GOLD is like those yellow seedlings of yours that you get quite excited about until they open up. HAZEL GALLAGHER, a little better in quality, still looks more like a numbered seedling than a named variety. GIANT VIOLET is like anybody's big purplish violets with lots of pencilings and falls. JOANNA is a bright dark bluish seedling with bright velvet falls, a GERMANICA gone glamorous. BURNISHED COPPER, probably kin to COPPER LUSTRE, with the same brownish coppery falls, needs an umbrella to keep it from scorching in the sun. It has five blooms to the stalk, and the substance could be much better. Now I know that many of these iris are not introduced and have only been registered, so what I have to say about keeping back to the third year does not apply to them.

*Most comments in this article are the result of observations made in the garden of Mr. J. P. Fishburn.—L. R. S.

WANTED, BETTER WHITE IRIS

STEDMAN BUTTRICK

■ OFTEN I hear iris judges saying "another white" as they regard some meritorious new introduction in that color class. The tone of their voices seems to suggest that there are too many whites already and that the possibilities of further improvement have been virtually exhausted. As a matter of fact, is there any other color class in which so little real progress has been made during recent years?

PURISSIMA was introduced 15-or-so years ago. Is there today a thoroughly hardy white very much better than the tender PURISSIMA? GUDRUN was introduced in 1930. In the 12 subsequent years, has any hybridizer been able to produce a white of much better flower than GUDRUN (I am not talking about GUDRUN's height and branching)? Do I hear someone say "MOUNT WASHINGTON, MATTERHORN, SNOWKING, EASTER MORN, STELLA POLARIS, WHITE GODDESS, MOUNT CLOUD?" Yes, these are all fine and attractive iris, and I would not be without them; yet, I am told that in California a well-grown clump of the ancient PURISSIMA holds its own with the most recent introductions. In almost any other color class a 15-year-old iris (saving always those remarkable veterans, LOS ANGELES and SAN FRANCISCO) would be hopelessly outclassed by newer things. Away from its short and over-crowded stem, a single flower of GUDRUN usually gets as much, if not more, praise than a bloom of such a fine new thing as MOUNT WASHINGTON.

No, the whites have not been moving steadily ahead as compared to other color sections, and the efforts of the hybridizers to improve them deserve as much attention from iris enthusiasts as the search for better pinks and reds.

OUR MEMBERS WRITE

More Iris Family Trees

■ AT THE annual meeting of the A. I. S. in 1939 the members made a long trek from Southern California to Washington. Countless new iris greeted the visitors at every stop, but it is doubtful if any iris created such a stir of excitement as did beautiful SNOW FLURRY, a seedling from the garden of the Misses Ruth and Clara Rees in San Jose.

Often the star of fame of a new seedling burns brightly for a time but soon fades out as newer and better iris strike the public fancy, but SNOW FLURRY has lived up to its advance notices, and more. Its purity of color, its novel and delightful form, and its dependable nature will commend it to discriminating gardeners for years to come.

In producing SNOW FLURRY from the cross of PURISSIMA × THAIS, the breeder has followed the advice of Prof. Sidney B. Mitchell concerning the breeding of a hardy white. Writing in the *Iris Year Book*, 1933, Prof. Mitchell said, "In general, the complaint made of the best whites is their dislike of wet winters, but inasmuch as whites crossed with colored flowers give a percentage of whites, why have not breeders or amateurs, with whom PURISSIMA, let us say, is difficult, cross it with the pollen of moisture-resistant varieties, selecting from a sufficient number of seedlings what is best for their own conditions."

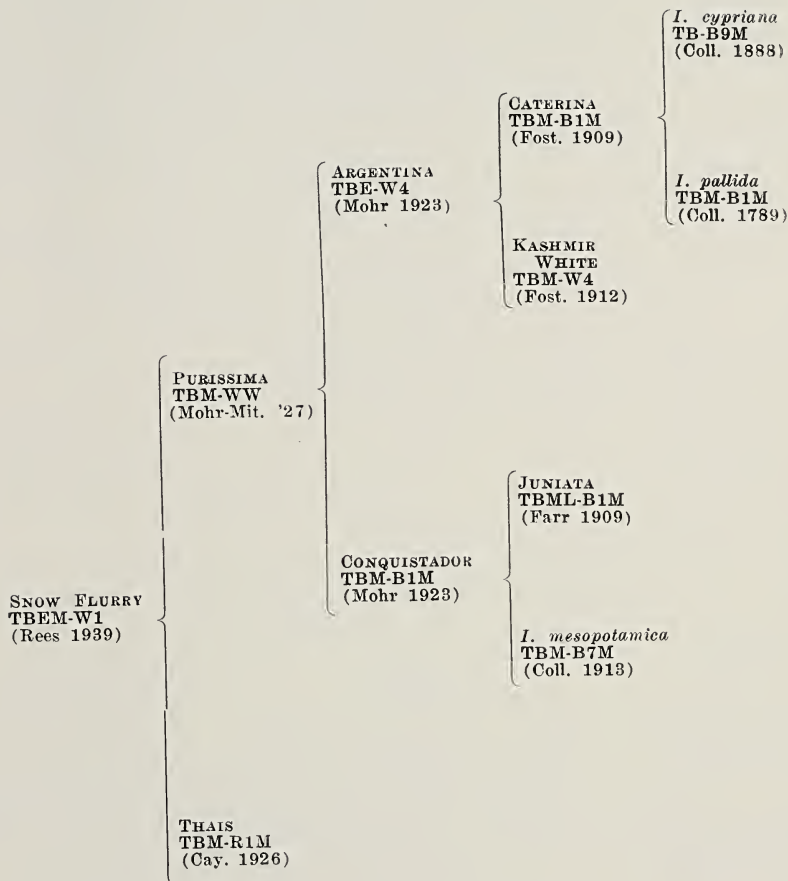
People who have unusual success in making plants grow are often referred to as having a "green thumb." Breeders who have marked success in hybridizing must have a "thumb" of more than casual touch. Such a man is Dr. R. E. Kleinsorge, producer of OLD PARCHMENT, A. M. 1941. Dr. Kleinsorge has had marked success not in one color field alone, but in practically all. An eye, ear, nose, and throat specialist of Silverton, Ore., he was born in the Middle West and educated at the University of Iowa.

Using such varieties as BALLERINE, AMBASSADOR, and SOUV. DE MME. GAUDICHAU, he made his first crosses in 1921, but it was not until 1930 that he brought out his first varieties, OREGON BEAUTY, OREGON GIANT, and KLAMATH. These were followed in 1934 by

SNOW FLURRY

Award of Merit

1941



Prepared by Geddes Douglas

KALINGA, ANAKIM, MEHEMA, ITASCA, YAKIMA, and MT. SUNSET. KALINGA and ITASCA are still very much in demand and are found today in many collectors' gardens.

In studying the parentage of OLD PARCHMENT, several points are of special interest. OLD PARCHMENT is decidedly not the product of a so-called "wide cross"; rather, it is the culmination of a long series of crosses involving careful selection. Three generations out of the eight involved are the work of Dr. Kleinsorge.

Of great importance in the parentage of OLD PARCHMENT is the iris FAR WEST which came from a seedling of MME. CECIL BOUSCANT $\times$ DOLLY MADISON crossed with PRES. PILKINGTON. FAR WEST, along with RAMESES and JEAN CAYEUX, shares the distinction of being in the immediate parentage of many of the new pink and yellow blends. Certainly it appears in the parentage of nearly all of the fine blends from Dr. Kleinsorge, and if there is a milestone along his road to fame, it is undoubtedly the iris FAR WEST.

Also of great importance in the parentage of OLD PARCHMENT is the iris JEAN CAYEUX which appears to be the climax of M. Cayeux's efforts to produce a yellow iris by progressive steps from a dwarf bearded yellow. By using OCHRACEA CAERULEA, an intermediate, derived from the dwarf bearded iris DARIUS, crossed with MARSH MARIGOLD, a yellow blend from Bliss in 1919, Cayeux produced EVOLUTION. EVOLUTION was crossed with BRUNO, a Bliss iris 1922. This gave M. Cayeux another yellow blend and this in turn was crossed with his own PHYRNE, a light red self; and from this cross JEAN CAYEUX resulted.

TREASURE ISLAND, the pod parent of OLD PARCHMENT, came from Kleinsorge seedling No. 157 crossed with JEAN CAYEUX. This seedling is from PURISSIMA $\times$ DOLLY MADISON and is a sister seedling to KALINGA.

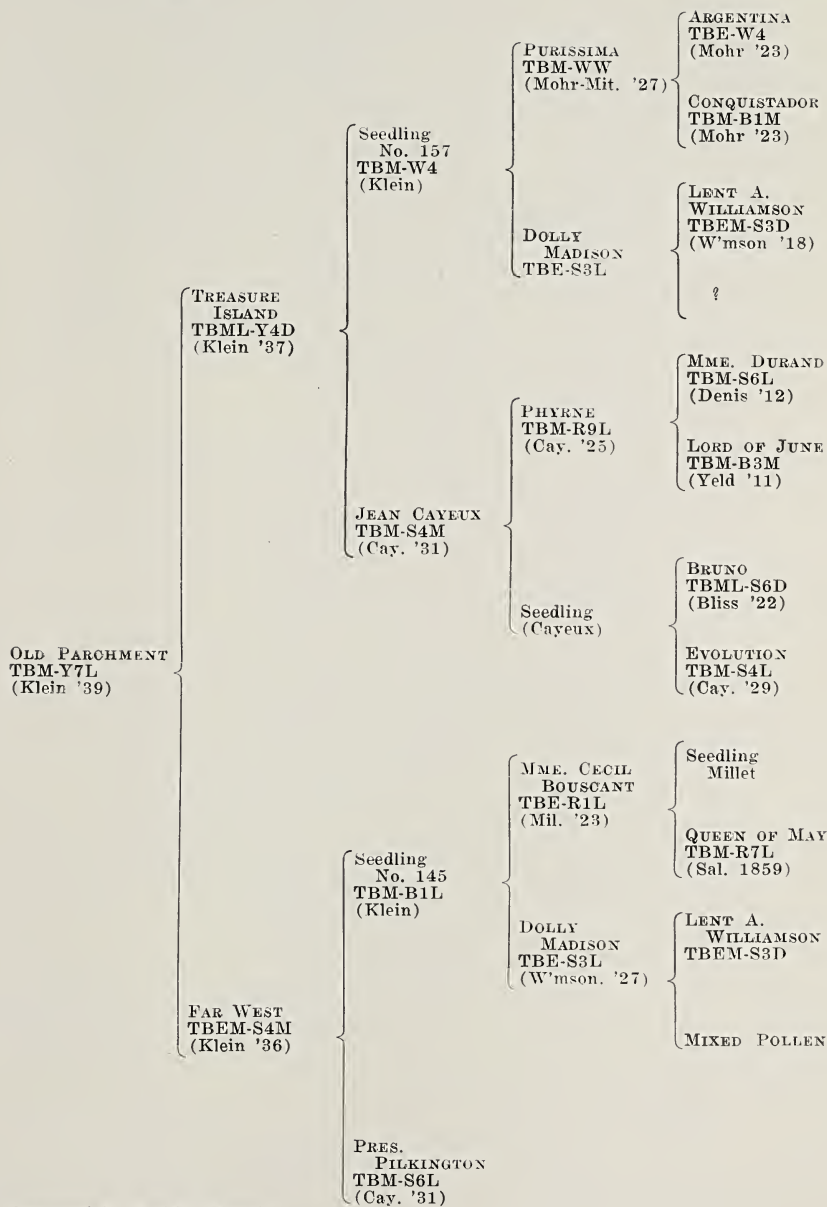
Some of the more recent introductions from Dr. Kleinsorge include RED VELVET, COPPER CASCADE, SIERRA SNOW, ARCTIC, ORMOHR and ORMACO, GRAND CANYON, TOBACCO ROAD, BATAAN, and DAY-BREAK. Although the Doctor has a beautiful garden in which he grows many peonies, daffodils, and rare bulbs, his first love is his seedling patch, and we may expect many more introductions from the hand of this great artist in the near future.

The third iris in this group is YELLOW JEWEL, Smith 1939, a fine yellow of even tone and steady habits. In this day and time fine yellows are the rule rather than the exception, but the remarkable

OLD PARCHMENT

Award of Merit

1941



Prepared by Geddes Douglas

YELLOW JEWEL

Award of Merit

1941

YELLOW JEWEL
TBM-Y4D
(Smith '39)

W. R. DYKES
TBE-Y4M
(Dykes '26)

MARESCHAL NEY
TBM-S4D
(W'mson. '30)

NANCY ORNE
TBM-S9M
(Sturt. '21)

Mixed Pollen

CATERINA
TBM-B1M
(Fost. 1909)

MRS. GEORGE
DARWIN
TBM-W4
(Fost. 1895)

Prepared by Geddes Douglas

thing about this iris is that it is one of the few first generation W. R. Dykes seedlings which resists flecking except under extreme conditions.

YELLOW JEWEL is a seedling of W. R. DYKES $\times$ MARESCHAL NEY, the latter being a red-yellow blend introduced by Williamson in 1930. It is unfortunate that the parentage of W. R. DYKES is not known. Writing in the R. H. S. *Journal* 1940, B. R. Long observes, "No records are available as to their origins (i.e., Dykes seedlings), which is strange when he, himself, had cause to regret that Foster left no useful notes about his seedlings. So nothing is known as to how Dykes obtained APHRODITE, a pinkish purple remarkable for its height; AMBER, for a time the best yellow iris, or MOONLIGHT, an unusual greenish white which proved in the hands of others of much value for hybridizing, or, most notable of all, that remarkable yellow iris named for himself, which set a new standard of size in its color and proved invaluable to other breeders."

Mr. Long might well have been writing of Kenneth Smith when he wrote these last five words, for the iris W. R. DYKES as a parent has given him a veritable garden full of fine yellows and creams of great size and even color.

Mr. Smith, a native of Staten Island, N. Y., and a graduate of Dartmouth, has long been active in the American Iris Society, serving both as Regional Vice-President and as a Director. His "Unofficial Symposium" conducted for the past several years has been a feature of his interest in iris. Often referred to as one of the leaders of the younger hybridizers, Mr. Smith has many fine introductions, among which are CAROLINE BURR, VIOLET SYMPHONY, STELLA POLARIS, and PINK RUFFLES.

This series of three family trees completes six of the eight iris which received Awards of Merit in 1941. I hope to submit the remaining two at an early date.

GEDDES DOUGLAS.

Nashville, Tenn.

Diet for Rodents

■ WE have three kinds of mice to contend with, i.e., the house, the field and the pine, and it is the last-named that causes us the most trouble, and that is plenty. They have web feet like a mole, and can bore their own burrows, but, like all others, prefer to run in mole burrows.

Our garden is partly woodland, and we do not burn anything except that which is useless for composting, so in addition to their natural protection in the woods, these pests have rubbish piles in which to make their homes.

For years our bulbs, especially bulbous iris and most of the others, would not come up, and we wondered why. We now know for a certainty that the mice ate them and what to do about it was a tried problem with "this and that" until we tried Elkay's rat paste, a product sold only by Liggett's. It has a phosphorous base, and it naturally attracts all rodents.

My wife mixed the poison with whole-grain ground corn meal, using just enough water to make a dough, and this was rolled out in pills about $\frac{3}{8}$ " to $\frac{1}{2}$ " in diameter and dropped in the holes of the mice wherever they could be found—many of these were among our bearded iris. In a day or two green flies could be noticed at the entrance of the holes, and we knew that it was getting results. Then we not only used it in the holes, but placed it wherever we knew they were, with the result that we hardly ever see a hole now; when we do, we lose no time in giving them pills.

Ground squirrels were also plentiful and did their damage, so we used this concoction in larger pills in their holes wherever found. These and Cynogas (used only when we saw one run in) have obliterated them and while there isn't anything that will completely eradicate mice and rats for all time, the persistent use of the above will certainly reduce to a large extent their destructiveness.

WILLIAM F. CAHOON.

Birmingham, Ala.

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ARE THE NATIONAL IRIS GARDENS' ORIGINATIONS WORTH WHILE?

Dear Mr. Weed:

October 20, 1942.

I have come to a growing appreciation of some of the varieties that you have turned out. I saw PINK IMPERIAL this year for the first time and that is the reason I was anxious to get a dozen plants of it, even if they were just culls or planting stock. I have an idea that I am going to decide that this is about the best pink on the market.

ICY BLUE proved to be a very fine flower and even larger in our ground than you describe it.

OREGON SUNSHINE is one of our best yellows. NOONDAY SKY and CLARET VELVET were very good and NATIONAL GIANT proved to be our biggest Iris. I also liked BLENDED BEAUTY, so if the others come up to these, I will be very much pleased with them.

Yours truly,

ROBERT WAYMAN.

MICHELANGELO and ICY BLUE have been given Honorable Mention by the A. I. S. BLUE SKYSCRAPER is the largest of the tall blues. Other fine varieties are EVOLVED, FIREBRAND, FOREST AFLAME, NOONDAY SKY, ORANGE BRONZE and THE RED BRICK.

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Author, "Rainbow Fragments, A Garden Book of the Iris." Doubleday, Doran, N. Y.

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